						SOII	L BORING LOG SHEET					
BOREHOLE NU	IMBFR:	CC-C-001		Instrument		3011	Model Number				Spris	al Number
GEOLOGIST:		DNE		PID:	RAE Systems - Po	GM7600	Woder Warriser		110-009576		56116	arranger
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Fair 14°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho		Direct Push		JCALLIN.	Borehole Diame		2 inch		[180700 / FR.	133303		
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		8:20			Commpletion Tir		8:40					
Start Time: Start Date:		2/11/2014			Completion Date		2/11/2014					
	kover Survey (10				Completion Date			RAD (2X Bac	ckground)		As	Pb
Range		10-4,220 cpm	Point	4 15	8 cpm	N	Monitoring Action levels	14,648			24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)			Color	Content	Soil Description	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	5	3.5				Dry		0.0	18	99	3,150	
4				SW	10YR3/3	,	Medium-Fine Sands, Some Gravel, Some Silt.	0.1	18	111	3,390	
6								0.0	5.8	28	3,600	
7								0.0	< 5.8	46	3,340	
8	5	3				Moist						
9							Fine Sands, Trace Gravel, Some Silt.	0.0	9	85	3,390	
10				SM	10YR3/4						, -	
11	2	2				Wet	Fine Sands & Organic Material	2.0	17	61	3,590	
12							Sarius & Organie Material	2.0		31	3,330	

						SOII	L BORING LOG SHEET					
BOREHOLE NU	MBER:	CC-C-002		Instrument		3011	Model Number				Seria	al Number
GEOLOGIST:		DNE		PID:	RAE Systems - Po	3M7600	- Induct Italiae		110-009576		56116	ar variber
HEALTH TECHN	ΝΙCΙΔΝ·	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Fair 14°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho		Direct Push			Borehole Diame		2 inch		1207007			
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		9:45			Commpletion Ti		10:10					
Start Date:		2/11/2014			Completion Date		2/11/2014					
	kover Survey (10							RAD (2X Bad	ckground)		As	Pb
Range		L0-4,350 cpm	Point	4,31	8 cpm	N	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)			Color	Content	'	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	_	2		SW	10YR3/2		Medium-Fine Sands, Some Silt, Some Gravel	0.0	< 7	84	3,690	
3	5	3		SM	10YR7/8 10YR3/6	Dry	Fine Sands, Silt.	0.0	< 3.4	7.8	3,740	
5 6								0.0	31	195	3,700	
7	5	3		SW			Medium-Fine Sands, Some Gravel, Some Silt.	0.0	< 5.9	28	3,690	
9					10YR2/2	Wet		0.0	< 3.9	6.8	3,850	
10					-							
11	- 2	2		· GW			Gravely Sands	0.0	< 3.5	< 5.0	3,800	
12												

<u> </u>						501	L DODING LOG SUFFT					
DODE:::0: = ::::	UN 40.55			<u> </u>		SOI	L BORING LOG SHEET		<u> </u>			
BOREHOLE NU	IMBER:	CC-C-003		Instrument			Model Number				Seria	al Number
GEOLOGIST:		DNE		PID:	RAE Systems - P				110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Fair 14°		SCALER:	Ludlum 12 / 44-9		<u> </u>		186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:		8:30			Commpletion Ti	me:	9:00					
Start Date:		2/11/2014			Completion Date	2:	2/11/2014					
MARRSIM Wal	kover Survey (1	0'X10')				] ,	Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	3,4	70-4,130 cpm	Point	3,61	1 cpm	'		14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Filoto Log
0 1 2	- 5	3			10YR5/4	<b>.</b> Dry	Medium-Fine Sands, Trace Gravel, Some Silt.	0.0	< 4.7	40	3340	
4 5							Medium Sands, Some Silt.	0.4	4.8	7.7	3560	
6					10YR2/2			0.0	15	151	3470	
7					,	Wet	Medium-Fine Sands, Some Gravel.	0.0	21	579	4000	
8	5	4										
9				SM		Dry	Fine Sands, Some Silt	0.0	16	129	3620	
10						, ,						

						SO!	L DODING LOG SUFFT					
DODELLOLE VIII	MADED:	CC C 004		la eta esta e		501	L BORING LOG SHEET				<b>6</b>	al Nivershau
BOREHOLE NU	MBER:	CC-C-004		Instrument			Model Number				Seria	ial Number
GEOLOGIST:		DNE		PID:	RAE Systems - P				110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Fair 14°		SCALER:	Ludlum 12 / 44-		ſ		186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame		2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth	:	10 feet					
Start Time:		9:10			Commpletion Ti	me:	9:35					
Start Date:		2/11/2014			Completion Date	e:	2/11/2014					
MARRSIM Wal	kover Survey (1	0'X10')	_	_		ַ ו	Monitoring Action levels	RAD (2X Ba	ckground)		As	Pb
Range	3,83	30-4,300 cpm	Point	3,94	19 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	T Hoto Log
1 2				SM	10 YR6/6		Fine Sands, Some Silt.	0.0	32	45	3,310	
3	5	3.5				Dry		0.0	< 4.5	12	3,460	
5				- 1 S\M			Medium -Fine Sands, trace Gravel, Some Silt.	0.0	17	155	3,420	
6												
7			Ш		10YR2/2			0.0	32	402	3,360	
8	5	3.5		SM		Moist	Fine Sands, Some Silt.					
9				3,41			e surius, sorrie siit.	0.0	< 19	581	3,390	
10								0.0		501	3,330	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	CC-C-005		Instrument			Model Number				Seria	al Number
GEOLOGIST:		DNE		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
VEATHER:		Fair 14°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR	153303		
rilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
ampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
tart Time:		11:00			Commpletion Ti	me:	11:30					
tart Date:		2/11/2014			Completion Date	<b>:</b> :	2/11/2014					
1ARRSIM Wal	kover Survey (1	0'X10')					Monitoring Action levels	RAD (2X Bad	kground)		As	Pb
ange	3,45	50-4,500 cpm	Point	3,49	7 cpm	'	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1								0.0	< 4.5	23	3,640	
2	5	3				Moist						
3				-	10YR6/3		Gravely Sand	0.0	< 4.6	17	4,220	
4								5.5		17	1,1220	
5								0.0	< 4.2	12.5	3,690	
6												
7								0.0	24	166	4,020	
8	5	4			10YR2/1							
9				SM	,-	Wet	Fine Sands, Silt.	0.0	17	116	3,230	
10				Sivi			i inc Junus, Jiit.	0.0		110	3,230	
11	2	2			10VP2/4			0.0	25	151	2 400	
12	2	2			10YR3/1			0.0	25	151	3,490	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	CC-C-006		Instrument			Model Number				Seria	al Number
GEOLOGIST:		DNE		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Fair 14°		SCALER:	Ludlum 12 / 44-9	9			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth		12 feet					
Start Time:		10:05			Commpletion Ti	me:	10:35					
Start Date:		2/11/2014			Completion Date	e:	2/11/2014					
MARRSIM Wal	kover Survey (10	O'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	3,78	30-4,280 cpm	Point	4,20	6 cpm	'	violitioning /tetion levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<u> </u>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2						Dny		0.0	13	103	3,210	
3	5	4				Dry						
4								0.0	21	373	3,170	
5				SW		Moist	Medium-Fine Sands, Some Gravel, Some Silt.	0.0	53	367	3,190	
6					10YR3/2							
7								0.0	6.5	36	3,240	
8	5	1.5										
9						Wet		0.0	15	113	3,160	
10											·	
11	2	2		SM			Fine Sands, Some Gravel, Some Silt.	0.0	< 5	20	3,240	
12							,, , , , , , , , , , , , , , , , , , , ,				2,2.0	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	CC-C-007		Instrument			Model Number				Seria	l Number
GEOLOGIST:		DNE		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Fair 14°		SCALER:	Ludlum 12 / 44-				186760 / PR:	153303		
Drilling Metho		Direct Push		•	Borehole Diame		2 inch		<u> </u>			
Sampling Meth		Closed Piston			Borehole Depth		10 feet					
Start Time:		10:50			Commpletion Ti		11:20					
Start Date:		2/11/2014			Completion Date		2/11/2014					
	kover Survey (1							RAD (2X Bad	ckground)		As	Pb
Range		30-4,300 cpm	Point	3,94	9 cpm	·	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	- Hoto Log
1 2 3 4	5	5		SW	10YR3/1	Dry	Medium-Fine Sands, Some Silt, Some Grave.	0.0	8.1	328 10	3,390	
6								0.0	< 7	86	3,350	
7								0.0	9	89	3,390	
8	5	2.5			10YR3/2	Moist						
9				SM			Fine Sands, Some Silt.	0.0	< 5.1	138	3,280	
10								0.0	. 5.1	130	3,200	

						SO	IL BORING LOG SHEET					
BOREHOLE NU	MBER:	CC-C-008		Instrument			Model Number				Seria	al Number
GEOLOGIST:		DNE		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Fair 14°		SCALER:	Ludlum 12 / 44-9	9			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:		12:15			Commpletion Ti	me:	12:40					
Start Date:		2/11/2014			Completion Date	2:	2/11/2014					
MARRSIM Wal	kover Survey (10	O'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	4,04	10-4,460 cpm	Point	4,00	9 cpm		ivionitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
1					10YR5/8		Medium-Fine Sands.	0.0	< 5.7	37	3,340	
2	5	4										
3				SW				0.0	22	237	3,470	
4				300				0.0	22	257	3,470	
5					10YR2/1	Dry	Medium-Fine Sands, Rock, Silt.	0.0	27	189	3,390	
6												
7								- 0.0	22	215	3,460	
8	5	5		SM	10YR2/2		Fine Sands, Brick & Cobble.				·	
9								- 0.0	11	48	3,450	
10								0.0	11	-10	3,430	
11	2	1		SW	10YR2/1	Wet	Medium-Fine Sands, Gravel.	0.0	< 5.0	30	3,710	
12	_	_									-, -3	

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DODELLO: 5 VIII	MADED:	CC C 000		la ak e e e		501	L BORING LOG SHEET				<b>6</b>	al Niveshau
BOREHOLE NU	INIRFK:	CC-C-009		Instrument	DAE C : -	CN 47600	Model Number		110 000===		Seria	al Number
GEOLOGIST:		DNE		PID:	RAE Systems - P				110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301	153363		
WEATHER:		Fair 14°		SCALER:	Ludlum 12 / 44-		<u></u>		186760 / PR:	153303		
Drilling Metho		Direct Push			Borehole Diame		2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth		10 feet					
Start Time:		9:30			Commpletion Ti		10:00					
Start Date:		2/11/2014			Completion Date	e: T	2/11/2014	DAD /3V.D.	.1	ı	Δ.	
	kover Survey (1			-			Monitoring Action levels	RAD (2X Bac			As	Pb
Range	3,6	30-4,090 cpm	Point	3,99	96 cpm		T	14,648	cpm	<u> </u>	24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	g USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<u> </u>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
0				SM	10YR7/8	Dry	Fine Sands, Some Silt.	0.0	9.5	59	3,760	
2	5	3.5		8								
4								0.0	< 4.2	12.8	3,840	
5								0.0	62	916	3,650	
6				SW	10YR4/3	Moict	Medium-Fine Sands, trace Gravel,					
7							Some Silt.	0.0	26	349	3,680	
8	5	5		00 00 00 00 00				0.0		3.13	3,000	
9				63 63 63 63 63				0.0	< 13	318	3,790	
10				61 61 61 63 63				0.0	< 13	218	3,/90	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	CC-C-010		Instrument			Model Number				Seria	al Number
GEOLOGIST:		DNE		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Fair 14°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Metl	nod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:		10:00			Commpletion Ti	ne:	10:30					
Start Date:		2/11/2014			Completion Date	2:	2/11/2014	1				
MARRSIM Wa	kover Survey (1	0'X10')				ſ	Monitoring Action levels	RAD (2X Bad			As	Pb
Range	3,6	40-4,180 cpm	Point	3,87	73 cpm		ı .	14,648	cpm		24 ppm	400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
1 2	5	5		SW	10YR3/3	Dry	Medium-Fine Sands, Some Gravel, Some Silt.	1.5	< 5.3	24	3,170	
3				SM	10YR5/8	51,4	Fine Sands					
4								0.0	< 6	45	3,190	
5								0.0	13	222	3,140	
6												
7				SW	10YR3/3		Medium-Fine Sands, trace Gravel, Trace Silt.	0.0	13	145	3,320	
8	5	4.5				Moist		5.5	10		3,320	
9								0.0	14	262	3,290	
10								0.0	17	202	3,230	

		T		<u> </u>	1	SOI	L BORING LOG SHEET		Γ			
BOREHOLE NU	MBER:	CC-C-011		Instrument			Model Number				Seria	al Number
GEOLOGIST:		DNE		PID:	RAE Systems - PC	6M7600			110-009576			
HEALTH TECH	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Fair 14°		SCALER:	Ludlum 12 / 44-9		1		186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	er:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:		12:40			Commpletion Tir	ne:	13:10					
Start Date:		2/11/2014			Completion Date	:	2/11/2014	T		T		
MARRSIM Wal	kover Survey (1	0'X10')	1	<del></del>			Monitoring Action levels	RAD (2X Bad			As	Pb
Range	4,23	30-4,840 cpm	Point	4,57	1 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)		<u> </u> 	Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	5	3		SW	10YR4/3	Moist	Medium-Fine Sands, Some Gravel, Some Silt.	0.0	69	77	3,490	
4				SM	10YR6/8		Fine Sand	0.0	< 3.7	< 5.2	3,450	
5						Dry		0.0	< 13	175	3,340	
6												
7				SW			Medium-Fine Sands, Silt.	0.5	24	246	3,180	
8	5	5			10YR3/2	Moist					3,233	
9								0.0	< 8	78	3,605	
10				•				0.0	\	70	5,005	

	7			<u> </u>	1	SO	L BORING LOG SHEET					
BOREHOLE NU	MBER:	CC-C-012		Instrument			Model Number				Seria	al Number
GEOLOGIST:	1	DNE		PID:	RAE Systems - Po	GM7600			110-009576			
IEALTH TECH	NICIAN: I	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:	I	Fair 14°		SCALER:	Ludlum 12 / 44-9	9			186760 / PR	153303		
Drilling Metho	d: I	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:	<u>:</u>	12:50			Commpletion Tir	me:	13:25					
Start Date:		2/11/2014			Completion Date	2:	2/11/2014					
/IARRSIM Wal	kover Survey (10'	X10')		T			Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	3,660	)-4,130 cpm	Point	3,82	9 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	5	4		SW	10YR3/2		Medium-Fine Sands, Some Silt, Some Gravel.	0.0	30	282	3,270	
4		·		SM	10YR6/6		Fine Sands	0.0	4.5	< 5.3	3,340	
5						Moist		0.0	37	337	3,450	
6												
7								0.0	10	76	3,370	
8	5	4		SW	10YR3/2		Medium-Fine Sands, Wood, Silt.				, -	30,
9								1.1	6.9	45	3,340	
10											5,3.3	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IN/IDED:	CC-C-027		Instrument		301	Model Number				Soria	al Number
GEOLOGIST:		DNE		Instrument PID:	RAE Systems - P	CM7600	Woder Number		110-009576		36116	ai Nullibei
HEALTH TECH		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Fair 29°		SCALER:	Ludlum 12 / 44-				186760 / PR:	153303		
Drilling Metho		Direct Push		JOCALLIN.	Borehole Diame		2 inch		11007007111.	133303		
Sampling Metl		Closed Piston			Borehole Depth		10 feet					
Start Time:		13:50			Commpletion Ti		14:20					
Start Date:		2/14/2014			Completion Date		2/14/2014					
	lkover Survey (10				Teompretion But		•	RAD (2X Bad	ckground)	1	As	Pb
Range		10-3,280 cpm	Point	3.68	6 cpm		Monitoring Action levels	14,648			24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)		0000 0000	Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	- 5	4.5			10YR4/3	Dry	Medium-Fine Sands, Some Gravel, Trace Silt.	0.0	31	265	4,050	
4	-							0.0	16	87	3,810	
6					10170 (0		Medium-Fine Sands, Some Gravel,	0.0	< 11	206	3,775	
7	1				10YR2/2	Moist	Trace Silt. (Brick)	0.0	19	309	3,630	
8	5	4.5										
9	_			SM	10YR4/4	Wet	Fine Sands, Some Silt.	0.0	< 4.1	10	3,820	
10							,				·	

						SOL	I DODING LOG SHEET					
DODELLOL E NUL	IMADED:	CC C 039		In atmixed a int		301	L BORING LOG SHEET		1		Carri	al Number
BOREHOLE NU	NINIBEK:	CC-C-028		Instrument	DAE Contact	CN 47C00	Model Number		110 000570		Seria	al Number
GEOLOGIST:	ALICIAN!	DNE		PID:	RAE Systems - P				110-009576			
HEALTH TECHN	NICIAN:	MS Fair 29°		XRF:	Innov-X Systems				500301	153303		
WEATHER:				SCALER:	Ludlum 12 / 44-9		Ī		186760 / PR	153303		
Drilling Metho		Direct Push			Borehole Diame		2 inch					
Sampling Meth	hod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:		13:50			Commpletion Ti		14:20					
Start Date:		2/14/2014			Completion Date	e: •	2/14/2014	T .		ı		
MARRSIM Wal	lkover Survey (1	0'X10')					Monitoring Action levels	RAD (2X Ba			As	Pb
Range	2,9	80-3,740 cpm	Point	3,47	9 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	1 11010 205
0					10YR4/4	Dry	Medium-Fine Sands, Some Gravel, Trace Silt.	0.0	8	57	3,760	
2	5	3.5										
4					10YR3/3			0.0	< 7	40	3,930	
5				SM	10YR2/1	Moist	Fine Sands, Some Silt	0.0	32	327	3,680	
6												
7	_			SW		Dry	Medium-Fine Sands, Some Silt, Some	0.0	23	161	3,620	
8	5	5			- 10YR4/3		Gravel.					
9				SM		Moist	Fine Sands, Some Silt	0.0	< 5.5	40	4,010	
10				Sivi		WIOIST	Time Julius, Joine Jill	0.0	3.5	1	7,010	

		<u> </u>		1	<u> </u>	SOI	L BORING LOG SHEET		<u> </u>			
BOREHOLE NU	JMBER:	CC-C-030		Instrument:			Model Number				Seria	al Number
GEOLOGIST:		JMC		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECH	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Sunny 36°F		Scaler:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	od:	Direct Push			Borehole	Diameter:	2 Inch					
Sampling Met	hod:	Closed Piston			Borehol	e Depth:	10 Feet					
Start Time:		11:00			Complet	ion Time:	11:15					
Start Date:		2/14/2014			Complet	ion Date:	2/14/2014					
MARRSIM Wa	lkover Survey (1	0'X10')					Monitoring Action levels	Rad (2X Bac	kground)		As	Pb
Range	3,460-3,890 ср	m	Point	3,57	1 cpm		violitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advanced	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Dhata La
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	-			SW	10YR3/3	Moist	Fine Sands and Silt, Some Gravel	0.0	< 6	52	3,650	
3	5	4				Dry		0.0	< 10	134	3,580	
5			-			Moist		0.0	< 8	78	3,640	
6				SM	10YR2/1		Silty Sands, Some Gravel.					
7						Dry		0.0	< 9	134	3,520	
8	5	4				,					, -	
9				SW	10YR3/3	Moist	Fine Sands.	0.8	< 13	319	3,550	
10					1011.0/3	Worst	7 me sanas.		113		3,330	

						SOI	L BORING LOG SHEET					
OREHOLE NU	JMBER:	CC-C-031		Instrument:			Model Number				Serial	Number
EOLOGIST:		JMC		PID:	RAE Systems - Po	GM7600			110-009576			
EALTH TECH	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
/EATHER:		Sunny 36°F		Scaler:	Ludlum 12 / 44-9	9			186760 / PR	153303		
rilling Metho	od:	Direct Push			Borehole	Diameter:	2 Inch					
mpling Met	thod:	Closed Piston			Borehol	e Depth:	8 Feet					
art Time:		10:25			Complet	ion Time:	10:50					
art Date:		2/14/2014			Complet	ion Date:	2/14/2014					
ARRSIM Wa	lkover Survey (1	0'X10')					Monitoring Action levels	Rad (2X Bac	kground)		As	Pb
ange	2,680-3,270 ср	m	Point		4 cpm			14,648	cpm	24 ppm Pb RAD		400 ppm
Depth	Advanced	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<u> </u>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2 3	5	4.5		SW	10YR2/2	Dry	Fine Sands, Some Gravel.	0.0	20	385	3,370	
6						Wet	- Fine Sands and Silt	0.0	27	681	3,440	
7	3	3		SM	10YR2/1	Moist	Silty Sands.	0.0	< 7	67	3,280	
8												

						SO	IL BORING LOG SHEET					
OREHOLE NU	JMBER:	CC-C-032		Instrument:			Model Number				Seria	al Number
GEOLOGIST:		JMC		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECH	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Sunny 36°F		Scaler:	Ludlum 12 / 44-	9			186760 / PR	153303		
Orilling Metho	od:	Direct Push			Borehole	Diameter:	2 Inch					
Sampling Met	thod:	Closed Piston			Boreho	e Depth:	10 Feet					
Start Time:		11:00			Complet	ion Time:	11:15					
Start Date:		2/14/2014			Complet	ion Date:	2/14/2014					
лARRSIM Wa	alkover Survey (10	'X10')					Monitoring Action levels	Rad (2X Bac	kground)		As	Pb
Range	2,880-3,460 cpn	า	Point	3,24	7 cpm		Wionitoring Action Tevels	14,648	cpm		24 ppm	400 ppm
Depth	Advanced	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	i lioto Log
1 2	5	4			10YR3/3	Dry	Fine Sands, Some Gravel.	0.0	< 7	54	3,620	
4		7				J.,		0.0	< 7	37	3,680	
5				SW				0.0	< 10	113	3,550	
6					10YR2/1	Wet	Fine Sands, Some Silt.					
7					,	Moist		0.0	< 6	51	3,810	
8	5	4.5						3.3	. ,	<u> </u>	3,020	
9					10YR4/6	Dry	Fine Sands, Some Gravel.	0.8	3.9	< 5.1	3,650	
10					2011(4) 0		Time Sands, Some Graven	0.5	3.3		3,030	

		T		<u> </u>	<u> </u>	SO	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	CC-C-033		Instrument:			Model Number				Seria	al Number
GEOLOGIST:		JMC		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Sunny 36°F		Scaler:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	d:	Direct Push				Diameter:	2 Inch					
Sampling Metl	hod:	Closed Piston			Borehol	e Depth:	10 Feet					
Start Time:		10:25			Complet	ion Time:	10:50					
Start Date:		2/14/2014			Complet	ion Date:	2/14/2014					
MARRSIM Wa	kover Survey (1	0'X10')		T			Monitoring Action levels	Rad (2X Bac	kground)		As	Pb
Range	3,560-4,120 ср	m	Point	4,05	1 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advanced	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	111010 208
1 2 3	5	4		SW		Moist	Fine Sands Fine Sands, Some Gravel.	0.0	14 < 8	54	3,175 3,820	
5					10YR2/2	Dry				40-	2.455	
6						Wet	Fine Sands	0.0	14	127	3,155	
7								0.0	< 7	61	3,420	
8	5	3.5		SM		Moist	Silty Sands, Some Gravel.				ŕ	
9				3141		WIOIST	Sincy Surius, Some Graver.	0.8	< 7	65	3,380	
10								0.0	,,	03	3,300	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	JMRFR:	CC-C-034		Instrument:			Model Number				Seria	al Number
GEOLOGIST:		DE		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 36°F		Scaler:	Ludlum 12 / 44-9				186760 / PR:	153303		
Orilling Metho		Direct Push				Diameter:	2 Inch					
Sampling Met		Closed Piston			Borehol	e Depth:	10 Feet					
tart Time:		11:45			Complet	ion Time:	12:00					
tart Date:		2/14/2014			Complet	ion Date:	2/14/2014					
	lkover Survey (1				<u> </u>			Rad (2X Bac	kground)		As	Pb
Range	2,950-3,410 cp	•	Point	3,11	0 cpm	· · · · · · · · · · · · · · · · · · ·	Monitoring Action levels	14,648			24 ppm	400 ppm
Depth	Advanced	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	<u>'</u>
(ft)	(ft)	(ft)			Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2 3 4	5	4		SW	10YR4/4 10YR3/2	Dry	Medium-Fine Sands, Some Gravel, Trace Silt.	0.0	10 <9	56 122 84	3,650 3,580 3,460	
7						Moist						
8	5	3.5						0.0	< 9	110	3,560	
9	-			SM	10YR6/4	Wet	Fine Sands and Silt.	0.8	13	177	3,620	
10												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMRER:	CC-C-035		Instrument:			Model Number				Seria	al Number
GEOLOGIST:	ZIVIDEIV.	JMC		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECH	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 36°F		Scaler:	Ludlum 12 / 44-				186760 / PR	153303		
Orilling Metho		Direct Push		<u> </u>	ì	Diameter:	2 Inch					
Sampling Met		Closed Piston			+	le Depth:	10 Feet					
Start Time:		11:25				tion Time:	11:50					
tart Date:		2/14/2014			Comple	tion Date:	2/14/2014					
	lkover Survey (1	<u> </u>			<u> </u>			Rad (2X Bac	kground)		As	Pb
Range	2,790-3,240 cpi		Point	3,121 cpm		1 '	Monitoring Action levels	14,648			24 ppm	400 ppm
Depth	Advanced	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)			Color	Content	· ·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2 3 4	5	4		SW	10YR2/1	Moist	Very Fine Sands and Silt, Moderately Sorted With Gravel  Fine Sands and Silt, Well Sorted with Gravel.  Fine Sands and Silt, Well Sorted.	0.0	< 8 < 12 < 7	97 232 25	3,480 3,530 3,560	
7	_					Wet						
8	5	4.5		SM	10YR4/4	Moist	Silt, Moderately Sorted, Some Gravel.	0.0	< 5.5	16	3,710	
9				SW	- 10YR5/6	Dry	Very Fine Sands, Well Sorted.	0.0	< 5.1	20	3,470	
10				SM	101110/0	Wet	Silt.	0.0	\ J.1	20	3,470	

		T		1	1	SOI	L BORING LOG SHEET		1			
BOREHOLE NU	JMBER:	CC-C-036		Instrument:			Model Number				Seria	al Number
GEOLOGIST:		JMC		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECHI		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 36°F		Scaler:	Ludlum 12 / 44-				186760 / PR	153303		
Drilling Metho	od:	Direct Push			Borehole	Diameter:	2 Inch					
Sampling Met	hod:	Closed Piston			Borehol	e Depth:	10 Feet					
Start Time:		11:25			Complet	ion Time:	11:40					
Start Date:		2/14/2014			Complet	ion Date:	2/14/2014					
MARRSIM Wa	lkover Survey (1	0'X10')				] ,	Monitoring Action levels	Rad (2X Bad	ckground)		As	Pb
Range	2,970-3,580 ср	m	Point	3,441 cpm		'	Violitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advanced	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
0												
1	_			SW			Fine Sands, Well Sorted.	0.0	< 5.6	61	3,460	
2	<b>-</b> 5	2.5			-							
4				SM	10UR2/1	Wet	Silt, Well Sorted.	0.0	18	194	3,680	
5							Very Fine Sand and Silt, Well Sorted.	0.0	15	139	3,390	
6	_											
7				SW	10YR3/1			0.0	15	230	3,475	
8	5	4.5		-	- 3, <u>-</u>		Fine Sands, Well Sorted, Some				·, -	
9					10YR5/6	Moist	Gravel.	0.0	< 3.6	8.3	3,450	
10					10172/0	Dry		U.U	∖ 3.0	0.5	3, <del>4</del> 3U	

						COL	L DODING LOC CUEFT					
		56.6.027		<u> </u>	1	SUI	L BORING LOG SHEET		<u> </u>		C	- I N
BOREHOLE NU	JMBER:	CC-C-037		Instrument:			Model Number				Seria	al Number
GEOLOGIST:		DNE		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECHI		MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Sunny 36°F		Scaler:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	od:	Direct Push					2 Inch					
Sampling Met	hod:	Closed Piston			Borehol	e Depth:	10 Feet					
Start Time:		13:30			Complet	ion Time:	13:55					
Start Date:		2/14/2014			Complet	ion Date:	2/14/2014					
MARRSIM Wa	lkover Survey (1	0'X10')					Monitoring Action levels	Rad (2X Bac	kground)		As	Pb
Range	2,940-3,320 ср	m	Point	3,000 cpm			violitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advanced	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Dh. J. L.
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2					10YR7/6	Dry	Well Graded Fine Sands, Some Gravel.	0.0	6.1	6.5	3,490	
4	5	5		SW	10YR5/6			0.0	< 5.0	26	3,425	
6					10YR5/3		Well Graded Fine Sands, Some Silt, Some Gravel.	0.0	< 5.4	27	3,360	
7				SC	10YR4/3	Wet	Silty Clay.	0.0	9.3	19	3,505	
8	5	5			,		, ,				·	
9				SW	10YR2/1		Well Graded Fine Sands, Some Silt.	0.0	< 9	135	4,025	
10							The states in the same, some since	5.5			.,,523	

							SOL	L BORING LOG SHEET					
BOREHOLE NU	MDED:	CC-C-042			Instrument	1	301					Comin	al Number
GEOLOGIST:	IVIDEN.	TF			Instrument PID:	RAE Systems - P	SM7600	Model Number		110-009576		Seria	al Number
HEALTH TECHN		MS			XRF:	Innov-X Systems				500301			
WEATHER:	VICIAIV.	Sun 35°				Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	d:	Direct Push				Borehole Diame		2 inch		1-00/00 / T.K.			
Sampling Meth		Closed Piston				Borehole Depth:		10 feet					
Start Time:		10:00				Commpletion Ti		10:40					
Start Date:		2/20/2014				Completion Date		2/20/2014					
	kover Survey (1	-				•			RAD (2X Bad	ckground)		As	Pb
Range		35-3,520 cpm	Point		2,71	5 cpm	<u> </u>	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic L	.og	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Dhoto Log
(ft)	(ft)	(ft)				Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2						10YR3/2		Silty Sand, Rock	0.0	32	200	3,145	
3	5	3					Moist		0.3	38	159	2,990	
5			_		SM				0.2	5	8	3,060	
6													
7						10YR6/6		Fine-Medium Silty Sand with Pebbles	0.0	3.4	15.4	3,180	
8	5	3.5										3,=30	
9							Wet		0.0	4.9	5.8	3,020	
10						10YR2/1	VVEL		0.0	4.3	J.0	3,020	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	CC-C-043		Instrument			Model Number				Seria	al Number
GEOLOGIST:		TF			RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN		MS			Innov-X Systems				500301			
WEATHER:		Sun 35°			Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diame		2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		10:35			Commpletion Tir		11:00					
Start Date:		2/20/2014			Completion Date		2/20/2014					
MARRSIM Wal	kover Survey (10	)'X10')					Manitaring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	2,69	90-3,380cpm	Point	3,24	2 cpm	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1								0.0	7	111	3,030	
3	5	3										
4								0.0	<3	93	2,835	
5				SM	10YR3/4	Moist	Fine Silty Sand with Gravel	0.0	<25	60	2,910	
6												
7								0.5	22	409	3,080	
8	5	4										
9								0.0	13	88	2,980	
10								0.0	13	30	2,300	
11	2	3		SW	10VP2/4	Wet	Fine Sand Pock	0.0	4.1	18	3140	
12	2	3		. 3vv	10YR2/1	wet	Fine Sand, Rock	0.0	4.1	18	3140	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	UMBER:	CC-C-044		Instrument			Model Number				Seria	al Number
GEOLOGIST:		TF		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECH	INICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Sun 35°		SCALER:	Ludlum 12 / 44-	9			186760 / PR	153303		
Drilling Metho	od:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Met	thod:	Closed Piston			Borehole Depth	:	10 feet					
Start Time:		11:10			Commpletion Ti	me:	11:35					
Start Date:		2/20/2014			Completion Date	e:	2/20/2014					
MARRSIM Wa	alkover Survey (1	0'X10')					Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	3,1	95-4,210 cpm	Point	3,50	2 cpm			14,648	cpm		24 ppm	400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
1 2				SM	10YR3/3		Brick, Fine-Medium Sandy Silt	0.8	8	82	3,155	
3	5	4		1.1 1.1		Moist		0.0	4.1	6.4	2,920	
5					10YR6/6			0.0	14.8	5.8	2,950	
6				SW			Fine-Medium Sand with Gravel					
7		4						0.5	14.1	10	3,305	
8	5											
9					10YR2/1	Wet		0.0	42.8	6.7	3,160	
10					101112/1	Wet		0.0	72.0	0.7	3,100	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MRFR·	CC-C-045		Instrument		30.	Model Number				Seria	al Number
GEOLOGIST:		TF		PID:	RAE Systems - Po	GM7600	Woder Hamber		110-009576		30116	
HEALTH TECHN	IICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sun 35°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	 153303		
Drilling Metho	d:	Direct Push		15.5	Borehole Diame		2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		10 feet					
Start Time:		11:40			Commpletion Ti		12:10					
Start Date:		2/20/2014			Completion Date		2/20/2014					
	kover Survey (1				<u> </u>			RAD (2X Bad	ckground)		As	Pb
lange		55-4,080 cpm	Point	3,22	7 cpm		Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Lo		Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Director Long
(ft)	(ft)	(ft)			Color	Content	· ·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2 3 4	5	3.5		SM	10YR3/3	Moist	Fine-Medium Sandy Silt with Gravel	0.0	7 4	82 84 89	3,145 3,040 3,090	
7			$\parallel \parallel \parallel$									
								0.5	8	81	3,160	
8	5	2			10YR3/2	Wet	Fine-Medium Sandy Silt with Pebbles		Ŭ	31	3,100	
9					10110/2		The median sandy she with respics	0.0	8.6	28	3,045	
10								0.0	0.0		3,013	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MRFR:	CC-C-046		Instrument		30.	Model Number				Seria	al Number
GEOLOGIST:		TF		PID:	RAE Systems - Po	GM7600	ouci (vaiii)Oli		110-009576		36116	
HEALTH TECHN	IICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:	VICI/ (IV.	Sun 35°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	<b>d</b> ·	Direct Push		1007.12.11	Borehole Diame		2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		10 feet					
Start Time:	104.	12:30			Commpletion Ti		13:00					
Start Date:		2/20/2014			Completion Date		2/20/2014					
	kover Survey (1				<u> </u>			RAD (2X Bac	ckground)		As	Pb
Range		60-4,220 cpm	Point	3,18	1 cpm		Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Lo		Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	•
(ft)	(ft)	(ft)	G. a.p 20,		Color	Content	J 333p. 333	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
0 1 2 3 4	5	4		SM	10YR3/3	Moist	Fine-Medium Sandy Silt with Gravel, Some Rock	0.0	5 <5	69 321 110	3,085 3,115 3,000	
7				10YR2/2								
8	5	4.5	Ш			Wet		0.5	<3	97	3,210	
9				10YR2/1		wet		0.0	13	32	2,980	
10				101112/1				0.0		32	2,300	

						SOII	L BORING LOG SHEET					
BOREHOLE NU	MBER:	CC-C-047		Instrument			Model Number				Seria	al Number
GEOLOGIST:		TF		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sun 35°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho		Direct Push		<u> </u>	Borehole Diame		2 inch		· · ·			
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		13:30			Commpletion Tir		13:55					
Start Date:		2/20/2014			Completion Date		2/20/2014					
	kover Survey (10							RAD (2X Bac	kground)		As	Pb
Range		60-4,475 cpm	Point	3,90	6 cpm	יו	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1								0.0	<3	113	3,075	
3	5	4			10YR3/3			0.0	9	139	3,135	
5						Moist	Fine-Medium Silty Sand with Gravel	0.0	5	140	3,185	
6				SM				0.0	3	140	3,103	
7					10YR4/4			0.5	<4	195	3,040	
8	5	4.5										
9								0.0	7	128	3,120	
10						Wet	Fine-Medium Silty Sand with Pebbles					
11	2	4			10YR2/1	vvet	Time-ivieululii siity saliu witti Pebbles	0.0	7.3	5.5	3165	
12		7			101112/1			0.0	, .5	J.J	5105	

							SOII	BORING LOG SHEET					
OREHOLE NU	MBER:	CC-C-048		In	nstrument			Model Number				Seria	al Number
EOLOGIST:		TF		PI	ID:	RAE Systems - Po	GM7600			110-009576			
IEALTH TECHN	NICIAN:	MS		XF	RF:	Innov-X Systems				500301			
VEATHER:		Mist 37°		sc	CALER:	Ludlum 12 / 44-9	)			186760 / PR1	153303		
rilling Metho	d:	Direct Push				Borehole Diame	ter:	2 inch					
ampling Meth	nod:	Closed Piston				Borehole Depth:		12 feet					
art Time:		8:25				Commpletion Tir	me:	8:55					
art Date:		2/21/2014				Completion Date	2:	2/21/2014					
ARRSIM Wal	kover Survey (10	)'X10')					N	Nonitoring Action levels	RAD (2X Bac	kground)		As	Pb
ange	3,16	60-3,525 cpm	Point		2,587	7 cpm	,,	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Lo	.og	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)				Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	T Hoto Log
1 2						10YR5/6			0.0	<1.7	12	2,750	
3	5	4							0.0	<3	90	2,925	
5					SM	10YR4/1	Moist	Fine-Medium Silty Sand with Gravel	0.0	4	68	2,795	
7									0.5	6	279	2,780	
8	5	4											
9						10YR2/1			0.0	15	194	2,820	
10						101112/1						·	
11		25					14/24	Fine Medium Ciltus Cand with Dalil L		-	426	2040	
12	2	2.5					Wet	Fine-Medium Silty Sand with Pebbles	0.0	8	136	2640	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	CC-C-049		Instrument			Model Number				Seria	al Number
GEOLOGIST:		TF		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	IICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Mist 37°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	 d:	Direct Push			Borehole Diame		2 inch		<u> </u>			
ampling Meth		Closed Piston			Borehole Depth:		10 feet					
Start Time:		9:50			Commpletion Ti		10:20					
Start Date:		2/21/2014			Completion Date		2/21/2014					
	kover Survey (1				100			RAD (2X Bac	ckground)		As	Pb
Range		25-3,195 cpm	Point	3.55	7 cpm	I	Monitoring Action levels	14,648			24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)	Grapine 20g		Color	Content	Jon Beschption	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2 3 4	5	4.5		SM	10YR3/4	Moist	Fine-Medium Silty Sand with Gravel	0.0	36 5 <1.8	211	2,670 2,625 2,835	
7					- 10YR3/1						2010	
8	5	4.5		SW		Wet	Fine Sand with Gravel	0.5	<1.7	12.6	2,910	
9				SM	10YR2/1		Fine Silty Sand with Gravel	0.0	3.1	19.9	2,830	
10											,,,,,,	

						SOI	L BORING LOG SHEET					
OREHOLE NU	JMBER:	CC-C-050		Instrument			Model Number				Seria	l Number
GEOLOGIST:		TF		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECH	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Mist 37°		SCALER:	Ludlum 12 / 44-	9			186760 / PR:	153303		
Orilling Metho	od:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Met	thod:	Closed Piston			Borehole Depth	•	10 feet					
Start Time:		9:25			Commpletion Ti	me:	9:50					
Start Date:		2/21/2014			Completion Date	e:	2/21/2014					
MARRSIM Wa	lkover Survey (1	0'X10')				] ,	Monitoring Action levels	RAD (2X Bad	kground)		As	Pb
Range	3,2	10-4,090 cpm	Point	3,55	4 cpm		The state of the s	14,648	cpm		24 ppm	400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
1 2		2		SM	10YR4/2		Fine-Medium Silty Sand with Gravel	0.0	10	211	2,710	
3	5	3			10YR5/4	Moist		0.0	<2	15	2,660	
5				SW			Fine-Medium Sand with Gravel	0.0	<1.8	10	2,480	
6												
7					10YR5/6			0.5	3.2	14	2,550	
8	5	4.5		<u> </u>								
9				SM	10YR2/1	Wet	Fine Silty Sand with Gravel	0.0	9	34	2,675	
10				SIVI	101K2/1	vvet	Fine Silty Sand with Gravel	0.0	9	34	2,075	

							SOL	L BORING LOG SHEET					
BOREHOLE NU	IMRER:	CC-C-051			Instrument		301	Model Number				Spri	al Number
GEOLOGIST:	IVIDEIX.	TF				RAE Systems - Po	GM7600	Woderwamber		110-009576		5011	ar Number
HEALTH TECHN	NICIAN:	MS			XRF:	Innov-X Systems				500301			
WEATHER:	VICI/ IIV.	Mist 37°				Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	q:	Direct Push				Borehole Diame		2 inch		12007007111			
Sampling Meth		Closed Piston				Borehole Depth:		10 feet					
Start Time:		10:50				Commpletion Ti		11:40					
Start Date:		2/21/2014				Completion Date		2/21/2014					
	kover Survey (1	-				<u>'</u>			RAD (2X Bad	ckground)		As	Pb
Range		40-4,260 cpm	Point		3,389	9 cpm	j r	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic L	_og	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)	'	J		Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2 3 4 5	5	4			SM	10YR4/3 10YR2/2	Moist	Medium Silty Sand with Gravel	0.0	5.2 15	29 359 304	2,590 2,680 2,570	
7													
8	5	4				10YR2/1		Fine-Medium Silty Sand, Trace Rock	0.5	24	264	2,620	
9							Wet		0.0	8	149	2,530	
10													

								<u> </u>	SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	CC-C-052				l	nstrument			Model Number				Seria	al Number
GEOLOGIST:		TF				ŀ	PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS				)	XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Mist 37°				Ş	SCALER:	Ludlum 12 / 44-9	)			186760 / PR1	153303		
Orilling Metho	d:	Direct Push						Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston						Borehole Depth:		10 feet					
Start Time:		11:50						Commpletion Tir	me:	12:20					
tart Date:		2/21/2014						Completion Date	<u>:</u>	2/21/2014					
1ARRSIM Wal	kover Survey (1	0'X10')								Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	3,1	30-3,560 cpm	Poi	int			3,560	О срт	'		14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	(	Graphi	ic Lo	g	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)						Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	5	5						10YR4/2			0.0	67	26	2,560	
4								10YR3/2	Dry		0.0	20	73	2,450	
5							SM			Fine-Medium Silty Sand with Gravel, Trace Rock	0.0	10	144	2,400	
7								10YR5/1	Moist		0.5	15	75	2,390	
8	5	5													
9				$\  \ $				10YR2/1	Wet		0.0	24	58	2,465	
10															

								SOII	BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-XC-001				Instrument		3011	Model Number				Seri	al Number
GEOLOGIST:		AR					RAE Systems - Po	3M7600	Widder Warriser		110-009576		3611	arramber
HEALTH TECH		MS					Innov-X Systems				500301			
WEATHER:		Sunny 38°					Ludlum 12 / 44-9				186760 / PR1	53303		
Drilling Metho		Direct Push				•	Borehole Diamet		2 inch		12070071112			
Sampling Meth		Closed Piston					Borehole Depth:		12 feet					
Start Time:		10:01					Commpletion Tir		10:35					
Start Date:		1/13/2014					Completion Date		1/13/2014					
	lkover Survey (10						<u>'</u>			RAD (2X Bac	kground)		As	Pb
Range		, 00-8,500 cpm	Point			7,292	2 cpm	N	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery		phic L	.og	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)		•	J		Color	Content	'	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	5	2.5					10YR6/6			0.0	< 2	6	8300	
4	3	2.5					10YR5/8 10YR4/1			0.0	4	33	8450	
6			-			SM		Wet	Silty Sand, Some Gravel	0.0	< 3	9	8400	
7										0.0	< 1.5	9	8150	
8	5	2					10YR5/1							
9			$\ \ $							0.0	3.9	10	8000	
10														
11	2	2	$\  \ $							0.0	< 1.3	6.5	7850	
12		2					10YR7/8			0.0	` 1.3	0.5	,030	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MRFR:	LT-XC-002		Instrument		30.	Model Number				Seria	ıl Number
GEOLOGIST:	WIDEN.	AR		PID:	RAE Systems - PO	3M7600	Model Hallisel		110-009576		36116	
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 38°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho		Direct Push			Borehole Diamet		2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		10 feet					
Start Time:		11:08			Commpletion Tir		11:35					
Start Date:		1/13/2014			Completion Date		1/13/2014					
	kover Survey (1	-			'			RAD (2X Bad	ckground)		As	Pb
Range		00-6,400 cpm	Point	5,86	5 cpm	ſ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2				SW-SM	10YR4/6		Medium Sands, Some Fines, Some Gravel	0.0	3.4	8.2	7600	
3	5	3			10YR4/4			0.0	< 2.0	18	4750	
5					10YR6/6	Wet		0.0	< 1.5	12.9	7150	
6												
7				SW	10YR4/6		Medium Sands, Some Gravel	0.0	< 1.4	8.6	6800	
8	5	4										
9					10YR6/6			0.0	~ 1 O	10	7980	70
10				CL	10YR7/2		Clay	0.0	< 1.8	19	/980	

						SOI	IL BORING LOG SHEET					
BOREHOLE NU	MRFR:	LT-XC-003		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	M7600	Model Hambel		110-009576		56116	
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 38°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet		2 inch					
Sampling Metl		Closed Piston			Borehole Depth:		10 feet					
Start Time:		11:46			Commpletion Tir		12:05					
Start Date:		1/13/2014			Completion Date		1/13/2014					
	kover Survey (1	-			<u> </u>			RAD (2X Bac	ckground)		As	Pb
Range		00-6,700 cpm	Point	5,90	9 cpm		Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	T Hoto Log
1 2	. 5	3.5			10YR5/6			0.0	< 1.8	13	7100	
4					10YR7/8	Moist	Medium-Course Sands, Some Gravel	0.0	< 3	< 4	7380	
5				. 3vv			Wedium-Course Sanus, Some Graver	0.0	1.0	< 1.3	6200	
6				-								
7					10YR6/8			0.0	< 1	4.5	6000	
8	5	3.5			101110/0	Wet		0.0	<b>\1</b>	4.3	0000	
9						vvet		0.0	< 1.7	< 2	6400	20
10				CL			Clay	0.0	\ 1./		0700	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-XC-004		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Sunny 38°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Orilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		13:50			Commpletion Ti		14:10					
tart Date:		1/13/2014			Completion Date		1/13/2014					
1ARRSIM Wal	kover Survey (10	D'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
ange	6,10	00-7,400 cpm	Point	6,84	0 cpm	ľ	violitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Filoto Log
1					10YR4/4			0.0	< 2	16	5800	
3	5	5		CL	10YR5/3		Clay					
4					10YR4/3			0.0	15	11	6500	
5				SW-SM	10YR3/4		Medium Sands with Silt, Trace Gravel	0.0	8	21	5900	
6					10YR5/6	Dry						
7								0.0	< 3	22	6300	
8	5	5			10YR4/4							
9				CL			Clay	0.0	3	19	6800	
10												
11	2	2			10YR3/3			0.0	6	10	6400	
12	_				101113/3			0.0	Ŭ	10	0400	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-XC-005		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P	GM7600			110-009576			
IEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Sunny 3°		SCALER:	Ludlum 12 / 44-9	9			186760 / PR	153303		
Orilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	hod:	Closed Piston			Borehole Depth:		10 feet					
tart Time:		10:00			Commpletion Ti	me:	10:40					
start Date:		1/23/2014			Completion Date	<u>:</u>	1/23/2014					
//ARRSIM Wal	lkover Survey (1	0'X10')		_			Monitoring Action levels	RAD (2X Bad	kground)		As	Pb
lange	5,9	20-6,610 cpm	Point	6,36	3 cpm			14,648	cpm		24 ppm	400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
1 2	5	3		3 7 7	10YR4/4		Well Graded Fine Sand with Little Gravel	0.0	11	33	6,250	
4				SC	10YR4/1	Moist	Clayey Sand	0.0	4	18	7,180	
6				SW	10YR4/3		Well Graded Medium Sand with Gravel	0.0	3.1	7.7	7,000	
7				SW-SM			Well Graded Medium Sand with Silt	0.0	4	8.3	6,950	
8	5	4.5			- 10YR4/1	Wet	and Gravel				·	
9				SM			Silty Sand	0.0	14.3	13	7,090	
10				SW			Well Graded Medium Sand with Gravel	0.0	14.3	15	7,030	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-XC-006		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 3°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
orilling Metho	d:	Direct Push		-	Borehole Diame	ter:	2 inch					
ampling Meth		Closed Piston			Borehole Depth:		12 feet					
tart Time:		10:48			Commpletion Tir	me:	11:10					
art Date:		1/23/2014			Completion Date	2:	1/23/2014					
	kover Survey (10						Aprillania a Aprilanda	RAD (2X Bac	ckground)		As	Pb
ange		60-6,730 cpm	Point	6,48	5 cpm	í I	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Plata La
(ft)	(ft)	(ft)			Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2				SM	10YR4/3		Silty Sand with Gravel	0.0	14	33	6,250	
3	5	3.5				Moist		0.0	6	24	6,390	
6					10YR4/4			0.0	9	11	6,490	
7								0.0	7	5	6,350	
8	5	4		SW	10YR3/3		Well Graded Medium Sand with Gravel					
9						Wet	Siavei	0.0	6	12	6,780	
10												
11	2	2.5			10YR4/4			0.0	5	<3	6810	
12	2	2.3			101114/4			0.0	, ,	,,	0010	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-XC-007		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 11°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho		Direct Push		<u> </u>	Borehole Diame		2 inch		·			
Sampling Metl		Closed Piston			Borehole Depth:		12 feet					
Start Time:		11:20			Commpletion Ti		11:55					
tart Date:		1/24/2014			Completion Date		1/24/2014					
	kover Survey (1	O'X10')					Aprilanina Astion Israela	RAD (2X Bac	kground)		As	Pb
Range		30-7,150 cpm	Point	6,95	9 cpm	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log		Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Dhata Lag
(ft)	(ft)	(ft)			Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
0					10YR4/3			0.0	17	23	6,150	
2	5	4		SM -	10YR4/1		Silty Sand with Gravel					
3					10YR4/6	Moist		0.0	13	17	5,980	
4												
5					10YR5/1		Silty Sand	0.0	5	23	5,970	
6				SW	10YR4/6		Well Graded Medium Sand with Little Gravel				,	
7					10YR5/1		Well Graded Coarse Sand with Gravel	0.0	33	36	6,200	
8	5	4									,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
9				sc	10YR3/2	Wet	Clayey Sand	0.0	5	12	6,180	
10								5.5	,		5,100	
11	2	2			10YR4/1		Clay	0.0	3.6	17	5820	
12	2	2		CL 10YR	10184/1		Clay	U.U	5.0	1/	3620	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MRFR.	LT-XC-008		Instrument		301	Model Number				Spri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P	GM7600	MODEL MAINING		110-009576		Jello	ur realiser
HEALTH TECH		MS		XRF:	Innov-X Systems				500301			
WEATHER:	The state of the s	Sunny 3°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho		Direct Push		100/122/11	Borehole Diame		2 inch		12007007111			
Sampling Metl		Closed Piston			Borehole Depth:		10 feet					
Start Time:		12:20			Commpletion Ti		12:50					
Start Date:		1/23/2014			Completion Date		1/23/2014					
	kover Survey (10				<del>'</del>			RAD (2X Bad	ckground)		As	Pb
Range		0-6,200 cpm	Point	5,79	3 cpm	1	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)			Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	5	4		SM	10YR3/1	Moist	Wood, Grass, Silty Sand with Gravel	0.0	3.3	17	5,940	
4					10YR3/3	Wet	Well Graded, Medium Sand with Gravel	0.0	<2	9	6,090	
5					10YR4/4	Moist		0.0	<5	9	6,130	
7				SW	10YR4/3		White rock, Well Graded Medium Sand with Gravel	0.0	<3	8.5	5,900	
8	5	5				Wet						
9					10YR4/4			0.0	<2	8.7	5,860	
10												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-XC-009		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 3°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho		Direct Push		<u> </u>	Borehole Diame		2 inch		<u> </u>			
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
tart Time:		13:20			Commpletion Ti		14:00					
tart Date:		1/23/2014			Completion Date		1/23/2014					
	kover Survey (10							RAD (2X Bad	ckground)		As	Pb
lange		30-7,410 cpm	Point	7,45	3 cpm	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2				SM	10YR4/6		Silty Sand	0.0	7	12	6,100	
3	5	4						0.0	<3	15	6,250	
5					10YR5/4	Moist		0.0	6	9	6,330	
7				SW-SM			Well Graded Medium Sand with Silt and Gravel	0.0	2	23	6,210	
8	5	3			10YR4/2							
9								0.0	7	16	6,040	
10											-,5.3	
11	2	2		SW	10YR3/2	Wet	Well Graded Medium Sand with	0.0	2.6	7	5960	
12	2	2		5vv	10102/2	vvet	Gravel	0.0	2.0	,	3900	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-XC-010		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHI		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 9°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Orilling Metho		Direct Push		•	Borehole Diame		2 inch		<u> </u>			
ampling Meth		Closed Piston			Borehole Depth:		12 feet					
tart Time:		8:00			Commpletion Tir		9:30					
tart Date:		1/24/2014			Completion Date		1/24/2014					
	kover Survey (10				·			RAD (2X Bad	ckground)		As	Pb
ange		60-6,680 cpm	Point	6,37	1 cpm	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)			Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	5	5		SM	10YR4/3	Dry	Silty Sand with Gravel	0.0	10	16	6,110	
4	3	J						0.0	6.7	18.5	6,340	
5				SW-SM	10YR5/3		Well Graded Medium Sand with Silt and Gravel	0.0	<8	26	6,290	
7		4				Moist		0.0	<2	10	5,980	
8	5	4					Well Graded Medium Sand with Gravel					
9				SW	10YR5/2			0.0	2.5	11	6,190	
10												
11	2	3			10YR4/6	Wet	Wel Graded Coarse Sand with Gravel	0.0	<3	11	6300	
12												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-XC-011		Instrument			Model Number				Seri	al Number
SEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECH	NICIAN:	MS		XRF:	Innov-X Systems				500301			
VEATHER:		Sunny 9°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
rilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
ampling Meth		Closed Piston			Borehole Depth:		12 feet					
tart Time:		9:45			Commpletion Ti	me:	10:40					
art Date:		1/24/2014			Completion Date	e:	1/24/2014					
	kover Survey (1	0'X10')					Manitarina Astion Invole	RAD (2X Bad	ckground)		As	Pb
ange		30-7,150 cpm	Point	6,39	1 cpm	1	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Di ata bas
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
0 1 2	5	3		SM	10YR5/4	Dry	Silty Sand with Gravel	0.0	9.3	16	7,140	
4				CL	10YR4/3		Clay	0.0	28	46	7,255	
6					10YR4/2			0.0	<5	25	7,020	
7	5	5		8	10YR5/1	Moist	Silt with Gravel	0.0	<4	24	7,080	
9				SW-SM			Well Graded Medium Sand with Silt and Gravel	0.0	19	28	6,900	
10					-		3.00					
11	2	3		CL		Wet	Clay	0.0	<10	23	6810	
12							,					

						SOI	IL BORING LOG SHEET					
BOREHOLE NU	MRFR:	LT-XC-012		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	3M7600	Woder Hamber		110-009576		56116	ar Namber
HEALTH TECHN	IICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 9°		SCALER:	Ludlum 12 / 44-9				186760 / PR1	L53303		
Drilling Metho		Direct Push		1	Borehole Diamet		2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		10 feet					
Start Time:		10:50			Commpletion Tir		11:25					
Start Date:		1/24/2014			Completion Date		1/24/2014					
	kover Survey (10				100			RAD (2X Bac	kground)		As	Pb
Range		10-5,660 cpm	Point	4.62	4 cpm		Monitoring Action levels	14,648			24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<del> </del>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	5	4		SM	10YR4/4	Moist	Wood, Rock, Silty Sand with Gravel	0.0	4	13	6,690	
4		·				Dry		0.0	4	19	6,730	
5					10YR4/3		Well Graded Medium Sand with Silt	0.0	2.3	16	6,540	
6				SW-SM		Moist	and Gravel					
7								0.0	<4	23	6,410	
8	5	4						5.0		19	6,110	
9					10YR3/3	Wet		0.0	11	26	6,590	
10			***	1 ML	10103/3	wet	Silt	0.0		20	0,350	

						SO	IL BORING LOG SHEET					
BOREHOLE NU	JMBER:	LT-XC-013		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Partly Cloudy 21 °		SCALER:	Ludlum 12 / 44-	9			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Metl	hod:	Closed Piston			Borehole Depth	<u> </u>	10 feet					
Start Time:		9:15			Commpletion Ti	me:	10:00					
Start Date:		2/6/2014			Completion Dat	e:	2/6/2014	<u> </u>				
MARRSIM Wa	lkover Survey (10	D'X10')		1			Monitoring Action levels	RAD (2X Bad			As	Pb
Range	4,15	50-5,180 cpm	Point	4,34	9 cpm		<u> </u>	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)		1	Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	-
1 2	5	4			10YR5/4	Moist	Well Graded Medium Sand with Gravel	0.0	<1.6	8.9	3,975	
4	3	4			10YR5/3			0.0	9.6	15	3,590	
5				SW	10YR3/3			0.0	7	2.5	4,650	
7						Wet	Well Graded Fine-Medium Sand with	0.0	3.6	6.5	4,040	
8	5	2.5			10YR5/8		Gravel					
9							0.0	<3	5.1	4,360		
10												

							L DODING LOG SUFFET					
		<u></u>		Ī		SOI	L BORING LOG SHEET		1			
BOREHOLE NU	IMBER:	LT-XC-014		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P				110-009576			
HEALTH TECHI		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Partly Cloudy 21 °		SCALER:	Ludlum 12 / 44-		T .		186760 / PR	153303		
Drilling Metho		Direct Push			Borehole Diame		2 inch					
Sampling Metl	hod:	Closed Piston			Borehole Depth		10 feet					
Start Time:		10:00			Commpletion Ti		10:45					
Start Date:		2/6/2014			Completion Dat	e:	2/6/2014	DAD /3V.D.	.1	Ī	<b>A</b> :	
	lkover Survey (10		1	-		-	Monitoring Action levels	RAD (2X Ba			As	Pb
Range		50-5,180 cpm	Point	İ	9 cpm T		ı	14,648	I		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<del></del>		Color	Content	<u> </u>	(ppm)	(ppm)	(ppm)	(cpm)	
1 2					10YR3/3	Dry		0.0	17	24	4,390	
4	5	3		SM	10YR4/1		Concrete, Silty Sand with Gravel	0.0	63	14	4,010	
6					10YR3/1	Moist		0.0	30	52	4,715	
7				SW-SM			Well Graded Fine Sand with Silt	0.0	32	32	4,700	
8	5	5		SM	10YR2/1	Wet	Silty Sand with Gravel	0.0	32	32	4,700	
9				SIVI		, wet	Sitty Sund With Graver	0.0	<1.4	6.7	4,280	
10				SW-SM	10YR5/1		Well Graded Medium Sand with Silt and Gravel	0.0	\1.4	0.7	4,200	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBFR:	LT-XC-017		Instrument		3011	Model Number				Seria	ıl Number
GEOLOGIST:		DNE		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Fair 22°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	d:	Direct Push		1	Borehole Diame		2 inch		<u> </u>			
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		8:15			Commpletion Ti		9:26					
Start Date:		2/10/2014			Completion Date		2/10/2014					
	kover Survey (10							RAD (2X Bad	ckground)		As	Pb
Range		30-4,320 cpm	Point	3,75	9 cpm	N	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)			Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	5	3.5			10YR5/8	Moist	Medium-Fine Sands, Gravel, Trace	0.0	6.8	17	3,960	
4	3	3.3				IVIOISE	Silt.	0.0	6	24	4,130	
5			[[-:-:-:-:-:-:-:-:-:-:-:-:-:-:-:-:-:-:-	•	10YR2/2			0.0	7	56	4,220	
6												
7					10YR2/1	Wet	Medium-Fine Sands, Some Gravel, trace Silt.	0.0	32	78	4,200	
8	5	4.5					trase sinti					
9								0.0	52	41	4,305	
10				SM	10YR2/2	Moist	Fine Sands & Organic Material.	-			,	
11	2	2		JIVI	101112/2	Wet	Fine Sands & Silt.	0.0	19	18	3920	
12				SC	10YR4/1	Moist	Clayey Sand.	0.0	13	10	3320	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMRER:	LT-XC-018		Instrument		301	Model Number		<u> </u>		Cari	al Number
GEOLOGIST:	IIVIDEN.	DNE		Instrument PID:	RAE Systems - Po	CN17600	woder warmer		110-009576		Sena	ai ivuilibei
	AUCIANI.											
HEALTH TECHN WEATHER:	VICIAN:	MS Fair 22°		XRF: SCALER:	Innov-X Systems Ludlum 12 / 44-9				500301 186760 / PR:	152202		
	d.	İ		SCALER.			2 in all		100/00 / PK.	133303		
Drilling Metho		Direct Push			Borehole Diame		2 inch					
Sampling Meth	noa:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		8:45			Commpletion Ti		9:59					
Start Date:		2/10/2014			Completion Date	e: 	2/10/2014	RAD (2X Bad	-kground)	<u> </u>	As	Pb
	kover Survey (1		Doint	2.67	4 0000	· 1	Monitoring Action levels	14,648			24 ppm	400 ppm
Range		30-4,390 cpm	Point		4 cpm		1					400 ββίτι
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1				SW	10YR4/3		Medium Fine Sands, trace Gravel,	0.0	8	28	3,960	
2	- 5	3.5			10YR5/4	Dry	Some Silt.					
4							Concrete	0.0	10	52	4,050	
5					10YR5/4		Medium Sands, Gravel, trace Silt	0.0	8	< 5	3,870	
6									ŭ		3,070	
7				SW				0.0	19	35	3,980	
8	5	2.5			10YR4/1	Wet	Medium-Fine Sands, Silt, Some Gravel.					
9								0.0	16	65	4,000	
10											,	

							U DODING LOG CUEST					
		<u>.</u>	<del></del> -			SO	IL BORING LOG SHEET		1			
BOREHOLE NU	MBER:	LT-XC-020		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR			RAE Systems - Po				110-009576			
HEALTH TECHN		MS			Innov-X Systems				500301			
WEATHER:		Sun 35°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR	153303		
Drilling Metho	d:	Air Hammer			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:		9:10			Commpletion Ti	me:	11:20					
Start Date:		2/20/2014			Completion Date	2:	2/20/2014					
MARRSIM Wal	kover Survey (10	D'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	3,75	50-4,360 cpm	Point	4,129	) cpm		Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Prioto Log
0				SW	10YR2/1		Well Graded Medium Sand with Gravel					
1				SP	10YR6/1	Wet	Poorly Graded Coarse Sand and	0.0	<7	14	4,750	
2	5	3			10YR5/1		Pebbles					
3					10YR2/1			0.0	<19	<19	4,690	
4					10YR4/4	Moist	Well Graded Medium Sand with				,	
5					1011(4)		Gravel	0.0	5.2	9.7	5,010	
6				SW	10YR4/2							
7					·			0.5	<85	<76	5,180	
8	5	3.5			10/02/2	Wet	Well Graded Medium Sand	0.5	,03	.,,	3,100	
9					10YR3/2							
10					10YR4/4		Silt	0.0	<53	<65	4,960	

							L DODING LOG SUFFT					
DODELIOLE NU	11.40.50	LT C 004		<u> </u>	<u> </u>	501	L BORING LOG SHEET		<u> </u>		G	- IN
BOREHOLE NU	IMBEK:	LT-C-001		Instrument		• • • • • • • • • • • • • • • • • • • •	Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P				110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 38°		SCALER:	Ludlum 12 / 44-9		T		186760 / PR	153303		
Drilling Metho		Direct Push			Borehole Diame		2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:	:	10 feet					
Start Time:		13:15			Commpletion Ti	me:	13:35					
Start Date:		1/13/2014			Completion Date	e:	1/13/2014	1		T		
MARRSIM Wal	kover Survey (1	0'X10')	_	_		] ,	Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	6,3	00-8,800 cpm	Point	8,35	7 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	r Hoto Log
1 2 3	5	4		SM	10YR6/1 10YR3/1	Moist	Silty Sands, Tightly Packed	0.0	< 3	16	5500 7200	
5				-	10YR6/1			0.0	< 1.6	14	5100	
6				SW-SM	10YR6/8		Medium Sands, Some Fines, Some Gravel					
7				SM	10YR5/1		Silty Sands	0.0	10.2	12	7050	
8	5	4			·	Wet	·					
9				SW-SM	10YR5/3		Medium Sands, Some Fines, Some Gravel	0.0	< 1.9	19	6690	
10							Gravei					

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-C-002		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Rain 44°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Orilling Metho	d:	Direct Push		<u>'</u>	Borehole Diame		2 inch		<u> </u>			
ampling Meth		Closed Piston			Borehole Depth:		12 feet					
tart Time:		8:00			Commpletion Ti		8:40					
tart Date:		1/14/2014			Completion Date		1/14/2014					
	lkover Survey (1							RAD (2X Bad	kground)		As	Pb
ange		00-4,700 cpm	Point	3,87	1 cpm	· ·	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	21
(ft)	(ft)	(ft)			Color	Content	· ·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1				sc	10YR5/2	Wet	Clayey Sand	0.0	43	< 6	4750	
2	5	2.5		CL	10YR4/1		Clay					
3					10YR6/4		,	18.6	4.6	14	4500	
4				SC	10YR5/2		Clayey Sand with Some Coarse Grain					
5						Moist	Sand	0.0	< 2.0	17	3990	
6				CL	10YR5/6		Clay					
7					_			8.2	< 1.9	19	3960	
8	5	3			10YR5/1							
9					,		Silty Sand, Some Corse Grained Sand	1.3	6	11	4170	
10				SM		Dry			Ŭ		.170	
11	2	2			10YR5/6	ыу	Medium-Fine Sands with Some	0.2	6	14	4600	
12	2	2	$\  \  \  \ $		10YR5/2		Gravel	U.Z	0	14	4000	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-003		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Rain 44°		SCALER:	Ludlum 12 / 44-9				186760 / PR1	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		8:50			Commpletion Tir	me:	9:15					
Start Date:		1/14/2014			Completion Date	2:	1/14/2014					
MARRSIM Wal	kover Survey (10	O'X10')					Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	3,67	70-4,350 cpm	Point	4,130	0 cpm	'	violitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	T Hoto Log
1 2		4		SM	10YR4/1	Wet	Silty Sand, Some Coarse Sand	0.0	68	33	4150	
4				SC	10YR5/1	Moist	Clayey Sand	0.1	8	18	4320	
6			_	SM	10YR6/2		- Silty Sand with Gravel	0.0	4	21	4600	
7								0.0	5.6	12	4780	
8	5	3.5	ШШ		10YR6/3							
9					10YR6/1	Dry	Silt	0.0	3.8	18	4800	
11	2	2		ML	10YR7/3		Silt and Clay	0.0	4	16	4350	
12			<b>****</b>		10YR6/8		,					

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-C-004		Instrument		231	Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Rain 44°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		9:30			Commpletion Tir	me:	9:50					
Start Date:		1/14/2014			Completion Date	<u>:</u>	1/14/2014					
MARRSIM Wal	kover Survey (10	O'X10')	T	1			Monitoring Action levels	RAD (2X Bac			As	Pb
Range	3,65	50-4,100 cpm	Point	3,744	4 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1												
2	5	0.25										
3		0.23										
4												
5					10YR5/4		Silt with Gravel	0.0	< 3	20	4,600	
6			<b>****</b>	ML								
7			<b>******</b>		10YR5/1		Silt, Tightly Packed	0.0	3.5	11		
8	5	2.5	<b>****</b>			Moist						
9				SM			Silty Sand with Some Gravel	0.0	< 1.6	13	4,690	
10				5171	10YR5/4		a i, sand in come didici	5.5			.,,355	
11	2	2		CL			Clay	0.0	< 2.0	16	4,560	
12	_	_			10YR5/3		J ,		-10		,,,555	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-005		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Rain 44°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame		2 inch		•			
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		10:05			Commpletion Ti		10:40					
Start Date:		1/14/2014			Completion Date		1/14/2014					
	kover Survey (10	)'X10')						RAD (2X Bad	ckground)		As	Pb
Range		60-4,690 cpm	Point	4,48	0 cpm	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	FIIOTO LOG
1 2		2.5		SM	10YR5/3	Moist	Poorly Graded, Silty Sand with Little Gravel	0.0	5	7	3900	
4	5	3.5			10YR6/1		Silty Sand with Little Gravel	0.1	< 1.6	14	4350	
6					10YR5/6	Wet		0.0	3.6	5.2	NA	
7	5	2.5			10YR4/3		Medium, Well Graded, Sand with	0.0	8	13	4250	
9				SW-SM	10YR3/1	Moist	Fines and Some Gravel	0.0	5	12	4310	
10					10YR4/3			5.0	J		.510	
11	2	2			10YR5/3	Wet		0.0	55	42	4270	
12	_	_								_		

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-006		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Rain 44°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet		2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		11:05			Commpletion Tir		11:30					
Start Date:		1/14/2014			Completion Date		1/14/2014					
	kover Survey (10						Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	3,61	L0-4,450 cpm	Point	3,97	5 cpm		worldoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	1 11010 205
1 2	5	3			10YR6/6		Silty Sand	0.0	< 8	< 11	4300	
3	3	5		SM	10YR5/6			0.2	9	< 8	4100	
5							Medium, Well Graded Sand, Some Fines, Some Gravel	0.5	< 1.4	5.9	4280	
6					10YR6/6	Wet						
7							Medium, Well Graded Sand with	0.3	4	5	4310	
8	5	4		SW			Gravel					
9					10YR5/4			0.0	< 5	8	4400	
10					101113/4			0.0		o	4400	
11	2	2		CL	10YR4/1		Clay	0.0	< 9	22	4160	
12				1	,							

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-007		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Rain 44°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		11:40			Commpletion Ti	me:	12:00					
tart Date:		1/14/2014			Completion Date	<u>:</u>	1/14/2014					
//ARRSIM Wal	kover Survey (1	0'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	3,63	30-4,250 cpm	Point	3,85	0 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	_	2.5		SM	10YR4/2		Poorly Graded, Silty Sand with Few Gravel	0.0	6	8	4100	
3	5	3.5				Moist		0.0	10	< 8	4280	
5				ML	10YR5/6		Silt with Sand	0.0	< 3	21	4360	
7								0.0	2	20	4190	
8	5	5			10YR7/3							
9						Dry		0.0	6	19	4380	
10				CL	10YR7/6		Clay					
11	2	1 5			10007/2			0.0	4	25	4210	
12	2	1.5			10YR7/3			0.0	4	23	4210	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-C-008		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS			Innov-X Systems				500301			
WEATHER:		Rain 44°			Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	ter:	2 inch					
Sampling Metl	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		12:30			Commpletion Tir	ne:	12:50					
Start Date:		1/14/2014			Completion Date	<u>:</u>	1/14/2014					
MARRSIM Wal	kover Survey (1	)'X10')	_	_			Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	3,76	60-4,340 cpm	Point	3,916	6 срт	•	The state of the s	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	3.4.4.0
1 2					10YR3/1	Wet		0.0	17	< 4	4500	
3	5	3		SM			Silty Sand with Gravel	0.0	17	17	4670	
5					10YR4/2			0.0	< 26	31	4820	
6												
8	5	5		SC	10YR6/1	Moist	Clayey Sand with Gravel	0.0	11	< 14	4750	
9					10YR6/6			0.0	< 18	< 21	4530	
10				CL			Clay	0.0	<b>\10</b>	<b>\21</b>	7330	
11	2	2		CL	10YR6/1	Wet	Clay	0.0	< 5	4	4480	
12									-			

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-009		Instrument		331	Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Rain 44°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		13:15			Commpletion Ti	me:	13:40					
Start Date:		1/14/2014			Completion Date	<u>:</u>	1/14/2014					
MARRSIM Wal	kover Survey (10	O'X10')				,	Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	3,54	10-4,980 cpm	Point	4,22	3 cpm	·	Tomes in gride in revels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	5	3		SM	10YR4/1		Silty Sand with Gravel	0.0	< 17	34	NR	
4	5	5		SIVI	10YR3/2	Moist	Silty Sand with Gravel	0.0	< 3	19	4650	
6				<u> </u>	10YR6/1			- 0.0	< 4	10	4780	
8	5	4		CL		Wet	Clay	0.0	< 1.6	6.7	4820	
9					10YR6/4			0.0	< 4	13	4800	
10			$\ \ \ \ $	SM		Moist	Silty Sand with Gravel					
11	2	1			10YR6/6			0.0	3.1	6.2	4740	

						SOII	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-010		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
VEATHER:		Clouds 34°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Orilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
ampling Meth		Closed Piston			Borehole Depth:		12 feet					
tart Time:		7:36			Commpletion Tir		8:50					
tart Date:		1/15/2014			Completion Date		1/15/2014					
	kover Survey (10						Aprillania a Aprilanda	RAD (2X Bac	ckground)		As	Pb
ange		10-4,310 cpm	Point	3,76	2 cpm	יי	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Dhoto Loc
(ft)	(ft)	(ft)			Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	5	3		SM	10YR5/4		Silty Sand with Gravel	0.0	17	14	NA	
3	3	3			10YR4/2			0.0	6	18	3900	
4												
6						Wet		0.0	< 6	18	4320	
7				SW	10YR5/8		Well Graded, Medium Sand with Gravel	0.0	< 12	< 16	NA	
8	5	1										
9								0.0	< 8	17	4470	
10												
11	2	2		SM	10YR5/1		Silty Sand with Gravel	0.0	< 3	18	4070	
12	2			JIVI	1011/3/1		Sinty Sand With Graver	0.0	```	10	4070	

						SOII	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-011		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Clouds 34°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	d:	Direct Push		•	Borehole Diamet	ter:	2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		9:00			Commpletion Tir		9:30					
Start Date:		1/15/2014			Completion Date		1/15/2014					
	kover Survey (10	D'X10')					Annikasis - Antina Insala	RAD (2X Bac	ckground)		As	Pb
Range		60-4,180 cpm	Point	3,89	7 cpm	ין	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Dh eta Log
(ft)	(ft)	(ft)	, -		Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2					10YR5/1	Wet	Silty Sand	0.0	14	24	3900	
3	5	3.5		SM			W - 1 / D - 1	0.0	3	24	4100	
5					10YR6/1		Wood / Bog Layer Silty Sand with Gravel	0.0	1.7	13.1	3980	
6					1011071		Silty Salid With Graver	0.0	1.7	13.1	3360	
7								0.0	< 2	13	4010	
8	5	2.5		SW	10YR6/6	Moist	Medium, Well Graded Sand with					
9							Gravel	0.0	< 3	16	3960	
10									_			
11	2	1.5		\$\\\/_\$\\/	10YR6/4		Well Graded, Medium Sand with	0.0	4	39	4000	
12	2	1.3		5vv-5ivi 10	101110/4		Fines and Gravel	0.0	<del>-</del>	33	+000	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-012		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR			RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Clouds 34°		Ī	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	d:	Direct Push		•	Borehole Diame	ter:	2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		9:00			Commpletion Ti		9:30					
tart Date:		1/15/2014			Completion Date	e:	1/15/2014					
1ARRSIM Wal	kover Survey (10	)'X10')					Manitaring Action lovals	RAD (2X Bad	ckground)		As	Pb
ange	3,79	90-5,260 cpm	Point	5,450	0 cpm	'	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2				SM			Silty Sand with Gravel	0.0	14	< 4	NA	
3	5	2.5			10YR3/1			0.0	9	26	3650	
4			<u> </u>				Wood / Bog Layer					
5				SC			Clayey Sand	0.0	33	36	3810	
6						Wet						
7				CL	10YR5/1		Clay	0.0	9	21	3850	
8	5	4.5										
9								0.0	< 2	21	4180	
10				SM	10YR5/6		Silty Sand withGravel (Layer of White					
11	2	2		Sivi	1011/3/0		Rock)	0.0	< 5	16	4250	
12	2	2						0.0	\ \ 3	10	4230	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-013		Instrument		301	Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PC	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Clouds 34°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	er:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		11:00			Commpletion Tir	ne:	11:30					
Start Date:		1/15/2014			Completion Date	2:	1/15/2014					
MARRSIM Wal	kover Survey (10	D'X10')	T	T		ľ	Monitoring Action levels	RAD (2X Bac			As	Pb
Range	3,63	30-5,040 cpm	Point	3,660	) cpm		<u> </u>	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<u> </u>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	5	2.5			10YR5/3	Wet	Silty Sand, Some Coarse	0.0	2.6	12	NR	
4	3	2.3		SM	10YR5/4			0.0	< 3	20	3890	
5 6					10YR5/6	Moist	Silty Sand and Gravel	0.0	8	14	4170	
7								0.0	5	11	4250	
8	5	2.5		SW-SM	10YR6/1		Medium, Well Graded Sand with Silt and Gravel					
9					10YR5/6	Des		0.0	. 6	24	4060	
10				CL	10YR7/1	Dry	Clay	0.0	< 6	21	4000	E PARTIE DE LA CONTRACTION DE
11	2	2			1011//1		Clay	0.0	< 7	24	3910	
12	2			SW	10YR5/6		Medium, Well Graded Sand and Gravel	0.0	` '	24	2210	

· I	AN:	LT-C-014 AR MS Clouds 34° Direct Push Closed Piston 12:45 1/15/2014 D'X10') 60-5,810 cpm Recovery (ft)	Point Graphic Log		RAE Systems - PO Innov-X Systems Ludlum 12 / 44-9 Borehole Diamed Borehole Depth: Commpletion Tin	GM7600 Inc DS-4000 ) ter:	2 inch 12 feet 14:00		110-009576 500301 186760 / PR1		Seria	al Number
GEOLOGIST: HEALTH TECHNICIAN WEATHER:  Drilling Method: Sampling Method: Start Time: Start Date:  MARRSIM Walkover Range  Depth (ft)  0  1  2  3  4  5	AN: er Survey (10 4,75 Advance	AR MS Clouds 34° Direct Push Closed Piston 12:45 1/15/2014 D'X10') 60-5,810 cpm Recovery	İ	PID: XRF: SCALER:	Innov-X Systems Ludlum 12 / 44-9 Borehole Diamet Borehole Depth: Commpletion Tir	Inc DS-4000 eter:	2 inch 12 feet		500301			
HEALTH TECHNICIAN WEATHER:  Drilling Method: Sampling Method: Start Time: Start Date:  MARRSIM Walkover Range  Depth (ft)  0  1  2  3  4  5	er Survey (10 4,75 Advance	MS Clouds 34° Direct Push Closed Piston 12:45 1/15/2014 D'X10') 0-5,810 cpm Recovery	İ	XRF: SCALER: 5,58	Innov-X Systems Ludlum 12 / 44-9 Borehole Diamet Borehole Depth: Commpletion Tir	Inc DS-4000 eter:	12 feet		500301			
WEATHER:  Drilling Method:  Sampling Method:  Start Time:  Start Date:  MARRSIM Walkover Range  Depth Ac (ft)  0  1  2  3  4  5	er Survey (10 4,75 Advance	Clouds 34°  Direct Push  Closed Piston  12:45  1/15/2014  D'X10')  0-5,810 cpm  Recovery	İ	SCALER: 5,58	Borehole Diamet Borehole Depth: Commpletion Tir Completion Date	ter: me:	12 feet			.53303		
Sampling Method: Start Time: Start Date:  MARRSIM Walkover Range  Depth (ft)  0  1  2  3  4  5	er Survey (10 4,75 Advance	Closed Piston 12:45 1/15/2014 0'X10') 0-5,810 cpm Recovery	İ		Borehole Depth: Commpletion Tir Completion Date	ne:	12 feet					
Start Time: Start Date:  MARRSIM Walkover Range  Depth (ft)  0  1  2  3  4  5	er Survey (10 4,75 Advance	12:45 1/15/2014 0'X10') 0-5,810 cpm Recovery	İ		Commpletion Tir Completion Date	me:						
Start Date:  MARRSIM Walkover Range  Depth Acc (ft)  0  1  2  3  4  5	er Survey (10 4,75 Advance	1/15/2014 D'X10') i0-5,810 cpm Recovery	İ		Completion Date		14:00					
MARRSIM Walkover Range  Depth Ac (ft)  0  1  2  3  4  5	er Survey (10 4,75 Advance	0'X10') 0-5,810 cpm Recovery	İ			2:						
Range  Depth Add (ft)  0  1  2  3  4  5	4,75 Advance	0-5,810 cpm Recovery	İ				1/15/2014					
Depth (ft)  0  1  2  3  4	Advance	Recovery	İ			N	Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
(ft)  0  1  2  3  4			Graphic Log	11000 0 1	2 cpm		violitioning rector levels	14,648	cpm		24 ppm	400 ppm
0 1 2 3 4 5 5	(ft)	(ft)	<u> </u>	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
1 2 3 4 5 5					Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Thoto Log
5				SM	10YR5/6	Dry	Silty Sand with Gravel	0.0	12	8	4170	
	5	4			10YR 6/3	Moist	Silty Sand with Gravel	0.0	< 3	13	4150	
				ML	10YR4/1		Silt	0.0	< 2	14	4210	
8	5	2		SM	10YR2/1 10YR4/1		Silty Sand with Gravel	0.0	< 12	< 15	NR	
9				SW-SM	10YR5/6	Wet	Well Graded, Medium Sand and Silt with Gravel	0.0	4.2	25	4100	A CONTRACTOR OF THE PARTY OF TH
11 12		2		SM	10YR5/1		Silty Sand with Gravel	0.0	< 2	9	4120	

						SO	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-015		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECH	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Clouds 34°		SCALER:	Ludlum 12 / 44-	9			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Metl	nod:	Closed Piston			Borehole Depth:	:	12 feet					
Start Time:		14:15			Commpletion Ti	me:	14:50					
Start Date:		1/15/2014			Completion Date	e:	1/15/2014					
√ARRSIM Wa	kover Survey (10	)'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	5,60	0-6,820 cpm	Point	5,81	L3 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Lo	g USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<u> </u>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2 3 4 5 6	5	3.5		SM	10YR5/4	Wet	Silty Sand and Gravel	0.0	< 9 < 4	20 21	3800 3800 3900	
7					10YR6/4		Well Graded, Medium Sand and					
8	5	3.5		SW-SM	10YR4/3		Gravel	0.0	< 2	7	4100	
9				3 VV - 3 IVI	10YR5/3		Well Graded, Medium Sands	0.0	< 4	6	4000	
10				64 65 66 55	10YR5/8							

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-C-016		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Clouds 40°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	d:	Direct Push		<u> </u>	Borehole Diame		2 inch		· · · · · ·			
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		8:00			Commpletion Ti		9:00					
Start Date:		1/16/2014			Completion Date		1/16/2014					
	lkover Survey (10				•			RAD (2X Bad	ckground)		As	Pb
Range		00-7,620 cpm	Point	7500	О срт	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Dhata Las
(ft)	(ft)	(ft)			Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2					10YR4/4	Wet		0.0	<17	<21	NA	
3	5	2.5					Well Graded, Medium Sand with Silt and Gravel	0.0	<3	9	6800	
5								0.0	<2	9	NA	
7					10YR5/6	DRY	Red rock 10YR3/1, Well Graded Medium Sand with Silt and Gravel	0.0	<2	14	6500	
8	5	3			<u> </u>		Theatan Sana Will Sheara Share					
9								0.0	<4	26	7000	
10				SM			Well Graded, Medium Sand and	_				
11	2	2		Sivi	10YR4/4		Gravel, at 11' White Rock	0.0	<5	30	6500	
12	2	2			10184/4			U.U	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	30	0300	

						SO	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-C-017		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Clouds 40°		SCALER:	Ludlum 12 / 44-				186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	hod:	Closed Piston			Borehole Depth	:	10 feet					
Start Time:		9:15			Commpletion Ti	me:	10:00					
Start Date:		1/16/2014			Completion Date	e:	1/16/2014					
MARRSIM Wal	kover Survey (10	)'X10')					Monitoring Action levels	RAD (2X Ba	ckground)		As	Pb
Range	6,01	0-6,560 cpm	Point	6,27	0 cpm		wionitoring Action Tevels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	1 11010 205
1 2	_			SW-SM	10YR4/4	Wet	Wood, Well Graded, Medium Sand with Silt and Gravel	0.0	<3	17	NA	
3	5	3			10YR4/2	Moist		0.0	<4	18	7000	
5				SM	10YR5/2	Dry	Silty Sand	0.0	3	7	NA	
6				3101		2.,	Sitty State	0.0		,		
7				SC	10YR4/6		White Rock, Clayey Sand	0.0	5	23	7300	
8	5	3.5				Moist	Well Graded, Medium Sand with Silt					
9				CL			and Gravel	0.0	3	16	7000	
10					10YR5/1		Clay					

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMRER:	LT-C-018		Instrument		301	Model Number				Cari	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P	GM7600	Model Number		110-009576		3611	ai Numbei
HEALTH TECHI		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 39°		SCALER:	Ludlum 12 / 44-				186760 / PR:	153303		
Drilling Metho		Direct Push		100/122111	Borehole Diame		2 inch		12007007111	133303		
Sampling Metl		Closed Piston			Borehole Depth		10 feet					
Start Time:		12:30			Commpletion Ti		12:50					
Start Date:		1/17/2014			Completion Date		1/17/2014					
MARRSIM Wa	lkover Survey (10	D'X10')					Manitaring Astion lavels	RAD (2X Ba	ckground)		As	Pb
Range	4,65	60-5,370 cpm	Point	5,61	.9 cpm		Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Filoto Log
1 2	- - - 5	2.5			10YR3/2		Asphalt, Well Graded Medium Sand with Gravel	0.0	5.9	26	7460	
4		2.3			101113/2	Moist		0.0	6	35	7610	
5				SM			Silty Sand	0.0	10	9	7640	
6				SW	10YR3/1		Well Graded Medium Sand with Gravel	0.0	10		7040	
7					10YR3/2			0.0	<8	33	7820	
8	5	3		CL			Clay		-		0	
9			Ö	10YR4/2	Wet		0.0	<11	28	7630		
10												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-019		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Cloudy 35°		SCALER:	Ludlum 12 / 44-9	9			186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		7:50			Commpletion Ti	me:	8:20					
Start Date:		1/20/2014			Completion Date	<u>:</u>	1/20/2014					
MARRSIM Wal	kover Survey (10	)'X10')					Monitoring Action levels	RAD (2X Bac	ckground)		As	Pb
Range	5,42	0-6,810 cpm	Point	5,69	6 cpm	'	violitioning Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	111010 205
1					10YR4/6	Dry		0.0	<9	<11	7550	
2	5	3		SW-SM			Well Graded Medium Sand with Silt and Gravel					
3					10YR4/4	Moist		0.0	<3	15	8020	
4												
5								0.0	<4	27	7690	
6												
7				CL	10YR5/3		Clay	0.0	<6	20	8100	
8	5	4.5				Wet						
9								0.0	<3	14	8050	
10											2333	
11	2	2		SW-SM	10YR4/4		Well Graded Medium Sand with Silt and Gravel	0.0	6	22	7905	
12	2	2		CL	10YR5/3		Clay	0.0			, , , , , , , , , , , , , , , , , , , ,	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-020		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Cloudy 35°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		8:30			Commpletion Tir	me:	9:00					
Start Date:		1/20/2014			Completion Date	<u>:</u>	1/20/2014					
MARRSIM Wal	kover Survey (10	O'X10')	•			ľ	Monitoring Action levels	RAD (2X Bac			As	Pb
Range	5,26	60-6,270 cpm	Point	5,119	9 cpm		1	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<u> </u>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2		2		SM	10YR5/3	Wet	Silty Sand with Gravel	0.0	3	9	7480	
3	5	3			10YR4/1	Moist		0.0	24	<9	7620	
4				SW	10YR6/8		Well Graded Fine Sand, Some Coarse					
5					10YR5/3			0.0	3	7	8050	
6				SM			Silty Sand with Gravel					
7					10YR5/8		·	0.0	<4	24	7900	
8	5	4				Wet						
9				CL	10YR4/6	Wet	Clay	0.0	<4	30	7940	
10				<u> </u>	, 5		,				2.13	
11	2	2		SW-SM	10YR5/8		Well Graded Medium Sand with Silt and Gravel	0.0	<2	23	7810	
12				CL	10YR5/3		Clay	0.0		23	,310	

						SOL	L BORING LOG SHEET					
BOREHOLE NU	N/DED.	LT-C-021		Instrument		301	Model Number				Soria	al Number
GEOLOGIST:	IVIDEN.	AR		PID:	RAE Systems - PO	-M7600	Woder Number		110-009576		36116	ai Number
HEALTH TECHN	IICIANI:	MS		XRF:	Innov-X Systems				500301			
	NICIAN:	Cloudy 35°								152202		
WEATHER:	.1			SCALER:	Ludlum 12 / 44-9		la · t		186760 / PR	153303		
Drilling Metho		Direct Push			Borehole Diamet		2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:		11:00			Commpletion Tir		11:30					
Start Date:		1/20/2014			Completion Date	:	1/20/2014	1 /		<u> </u>		
MARRSIM Wal	kover Survey (1			T		ſ	Monitoring Action levels	RAD (2X Bad			As	Pb
Range	5,10	00-6,200 cpm	Point	4,92	5 cpm			14,648	cpm		24 ppm	400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0 1 2	5	3		SM	10YR4/3		Silty Sand with Gravel	0.0	5	9	6480	
4				-	10YR4/6		Well Graded Medium Sand with Silt and Gravel	0.0	12	<9	7850	
5			-		10YR5/3	Wet		0.0	<6	12	7840	
6				SM			Silty Sand with Gravel					
7				JIVI			Sity Sund With Graver	0.0	<1.8	7	7710	
8	5	2.5			10YR4/6							
9				SW-SM	25111.170		Well Graded Medium Sand with Silt	0.0	4	9	7840	
10							and Gravel	5.5	, ,		, 510	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBFR:	LT-C-022		Instrument			Model Number				Seria	al Number
GEOLOGIST:	····	AR		PID:	RAE Systems - Po	GM7600	model name:		110-009576		30	u. Humber
HEALTH TECH	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:	1101/111	Cloudy 35°		SCALER:	Ludlum 12 / 44-9				186760 / PR	 153303		
Drilling Metho	d:	Direct Push		1	Borehole Diame		2 inch		,			
Sampling Metl		Closed Piston			Borehole Depth:		10 feet					
Start Time:		11:50			Commpletion Ti		12:30					
Start Date:		1/20/2014			Completion Date		1/20/2014					
	kover Survey (1	•			·			RAD (2X Ba	ckground)		As	Pb
Range			Point	4,92	.5 cpm	1 '	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	5	2.5		SW	10YR3/3		Well Graded Fine Sand with Medium Sand and Gravel	0.0	31	101	7350	
4	J	2.9				Moist		0.0	<3	27	7510	
5				SM	10YR5/4		Silty Sand. Pockets of Gravel and	0.0	9	<10	7600	
6				SC			Clayey Sand					
7								0.0	5	<3	7580	
8	5	2.5		CIAI CA A	10YR4/6 &	Wet	Well Graded Medium Sand with Silt	0.0		,,	, 300	
9				SW-SM	5YR4/6	wet	and Gravel. Bands of Color.	0.0	<1.9	3	7780	
10								0.0	\1.9	3	7700	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-C-023		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHI		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Cloudy 35°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		12:50			Commpletion Ti	me:	13:20					
tart Date:		1/20/2014			Completion Date	e:	1/20/2014					
//ARRSIM Wal	kover Survey (10	)'X10')					Manitaring Action lovels	RAD (2X Bad	ckground)		As	Pb
Range	5,68	30-6,140 cpm	Point	5,93	0 cpm	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Filoto Log
1							Wood, Grass, Well Graded Fine Sand,	0.0	<3	<4	7450	
3	5	4		SW	10YR5/8		Some Medium Sand					
4								0.0	2.6	<2	7600	
5				CL		Wet	Well Graded Medium Sand with Gravel. Pockets of Clay	0.0	<5	6	7700	
8	5	5		SW-SM	10YR4/6		Well Graded Medium Sand with Silt and Gravel	0.0	3.3	<2	7820	
							and Graver					
9								0.0	<3	<4	7620	
10				CL	- 10YR5/8		Clay					
11	2	2		SW			Well Graded Medium Sand with	0.0	2.7	10.1	7780	
12		2					Gravel	0.0	2.7	10.1	7700	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-024		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Snow 22°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		7:55			Commpletion Ti	me:	8:50					
Start Date:		1/21/2014			Completion Date	<u>:</u>	1/21/2014					
MARRSIM Wal	kover Survey (10	)'X10')	_	Ī			Monitoring Action levels	RAD (2X Bad			As	Pb
Range	4,85	0-5,930 cpm	Point	5,41	6 cpm		,	14,648	cpm		24 ppm	400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
1					10YR3/2		Well Graded Medium Sand with Silt and Gravel	0.0	261	452	4,350	
2	5	3				Dry						
3					10YR5/3			0.0	661	1826	4,680	
4				SW-SM								
5							Well Graded Fine Sand with Silt and Gravel	0.4	100	78	3,975	
6					10YR6/4							
7						Moist		0.0	81	22	4,225	
8	5	4										
9				CL	10YR5/4		Clay	208.0	141	13	4,545	
10					10YR2/1					-	,	
11	2	1.5		SW-SM	10YR5/4	Wet	Well Graded Medium Sand with Silt and Gravel. Black Staining @ 9'-10'.	0.0	<4	8	4,460	
12					,						, -	

						SOII	BORING LOG SHEET					
BOREHOLE NU	MRFR:	LT-C-025		Instrument		3011	Model Number				Seria	al Number
GEOLOGIST:		AR			RAE Systems - PC	M7600	Woder Warnber		110-009576		36116	A Number
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Snow 22°			, Ludlum 12 / 44-9				186760 / PR1	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	er:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		9:30			Commpletion Tir	ne:	9:55					
Start Date:		1/21/2014			Completion Date	::	1/21/2014					
MARRSIM Wal	kover Survey (10	)'X10')				N	Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	3,74	0-4,960 cpm	Point	3678	cpm	·	Tomicoming richion levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
0 1 2								0.0	261	452	4,310	
4	5	4		SW-SM	10YR5/4	Dry	Well Graded Medium Sand with Silt and Gravel	0.0	661	1826	4,450	
5 6				300 3101				0.0	100	78	4,390	
7								27.5	81	22	4,460	
8	5	5			10YR2/1		Well Graded Medium Sand with Silt and Gravel. Black Staining.					
9						Moist		10 2	141	12	E 110	
10				CL	10YR6/1	Moist	Clay	18.3	141	13	5,110	
11	2	2		SM	10YR5/1		Silty Sand with Gravel	0.0	<4	8	4,800	
12				5	-,-		,			-	,	-10

						SOI	BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-026		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Snow 22°		SCALER:	Ludlum 12 / 44-				186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth		Closed Piston			Borehole Depth	:	10 feet					
Start Time:		10:10			Commpletion Ti	me:	10:40					
Start Date:		1/21/2014			Completion Date	e:	1/21/2014					
MARRSIM Wal	kover Survey (10	D'X10')					Appitaging Action lovels	RAD (2X Bad	ckground)		As	Pb
Range	5,89	90-6,530 cpm	Point	6,32	5 срт	יו	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<u> </u>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	-
1 2 3 4 5	5	3			10YR4/3	Dry	Well Graded Medium Sand with Silt and Gravel	0.0	10	52 39 50	4,880 4,925 5,010	
7						Moist		0.6	16	49	5,140	
8	5	4			10YR45/4							
9				SM		Wet	Silty Sand, Some Gravel	0.4	<3	21	4,990	
10												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-C-027		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Snow 22°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	d:	Direct Push		•	Borehole Diame		2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		11:00			Commpletion Ti		11:45					
Start Date:		1/21/2014			Completion Date	2:	1/21/2014					
MARRSIM Wal	lkover Survey (1	O'X10')					Appitaring Action lovals	RAD (2X Bad	kground)		As	Pb
Range	4,95	50-5,590 cpm	Point	5,49	9 cpm	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2								0.0	46	225	NA	
4	5	4		SM	10YR3/3		Silty Sand with Gravel	0.0	11	17	NA	
6			-			Moist		0.0	76	12	NA	
8	5	5						0.7	46	11	NA	
9				SC	10YR2/1		Pete, Clayey Sand, some Gravel.	0.0	<11	22	NA	
10												1
11	2	2		SW	10VP5 /6	Wet	Well Graded Medium Sand with	0.0	<6	26	NA	
12	2	2			10YR5/6	vvet	Gravel	0.0	<b>\</b> 0	20	IVA	

		I			1	1	SOI	L BORING LOG SHEET		T			
BOREHOLE NU	IMBER:	LT-C-028			Instrument			Model Number				Seria	l Number
GEOLOGIST:		AR			PID:	RAE Systems - Po				110-009576			
HEALTH TECHN		MS			XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 11°			SCALER:	Ludlum 12 / 44-9	9			186760 / PR	153303		
Drilling Metho	d:	Direct Push				Borehole Diame	ter:	2 inch					
Sampling Meth	hod:	Closed Piston				Borehole Depth:		10 feet					
Start Time:		12:40				Commpletion Ti	me:	13:45					
Start Date:		1/24/2014				Completion Date	2:	1/24/2014					
MARRSIM Wal	kover Survey (10	)'X10')			_		] ,	Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	6,08	30-6,790 cpm	Point		6,54	8 cpm			14,648	cpm		24 ppm	400 ppm
Depth (f+)	Advance	Recovery	Graphi	c Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As (nnm)	Pb (nnm)	RAD	Photo Log
(ft)	(ft)	(ft)	<del> </del>			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	5	4				10YR4/3	Dry	Wood, Silty Sand	0.0	14	38	7,100	
4		·			SM	10YR5/3		Silty Sand with Gravel	0.0	2.9	11.8	7,250	
5						10YR4/4	Moist	Silty Sand with Gravel	0.0	7	14	6,840	
6													
7									0.0	2	10.8	6,760	
8	5	5			SW-SM	10YR4/6	Wet	Well Graded, Medium Sand with Silt					
9					3VV-3IVI	10184/0	vvet	and Gravel	0.0	4.1	18.3	6,790	
10													

		<u> </u>		<u> </u>	1	SOI	L BORING LOG SHEET		<u> </u>			
BOREHOLE NU	IMBER:	LT-C-029		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHI		MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Cloudy 29°		SCALER:	Ludlum 12 / 44-9	9			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Metl	hod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:		8:00			Commpletion Ti	me:	9:00					
Start Date:		1/27/2014			Completion Date	e: -	1/27/2014					
MARRSIM Wa	lkover Survey (10	D'X10')	_	T			Monitoring Action levels	RAD (2X Ba	ckground)		As	Pb
Range	6,75	0-7,380 cpm	Point	7,28	4 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Thoto Log
1 2				SM	10YR5/4		Wood, Leaves, Silty Sand with Gravel	0.0	5	11	7,140	
4	5	2		SW	10YR5/8	Moist	Well Graded Fine Sand	0.0	7.5	14.5	7,390	
6				SC			Clayey Sand	0.0	<4	20	7,025	
7	5	4.5			- 10YR5/3			0.0	<4	22	7,210	
9				SM	10YR5/4	Wet	Silt	0.0	4	14	7,225	

						SOII	BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-030		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Cloudy 29°		SCALER:	Ludlum 12 / 44-9	9			186760 / PR	153303		
Drilling Method	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		12:50			Commpletion Ti	me:	13:10					
Start Date:		1/27/2014			Completion Date	e:	1/27/2014					
MARRSIM Wal	kover Survey (10	D'X10')	Ī	1			Monitoring Action levels	RAD (2X Bac	ckground)		As	Pb
Range	4,10	00-4,550 cpm	Point	4,32	5 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<del> </del>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2					10YR5/2	Moist	Asphalt, Concrete, Silty Sand with Gravel	0.0	<9	46	5650	
3	5	4				Dry		0.0	5	8	5510	
5					10YR6/6			0.0	<2	17	5480	
6				SM								
7					10YR6/3	Moist		0.0	<3	18	5560	
8	5	5					Silty Sand					
9					10YR5/6			0.0	16	38	5830	
10								5.5			3000	
11	2	2			10YR5/2	Wet		0.0	<3	10	5650	
12			$\  \  \  \ $		101113/2	WC		0.0	,,	10	5050	

						SO	IL BORING LOG SHEET					
BOREHOLE NU	JMBER:	LT-C-031		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECH		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Cloudy 29°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho		Direct Push			Borehole Diame	ter:	2 inch					
Sampling Met		Closed Piston			Borehole Depth:		12 feet					
tart Time:		13:45			Commpletion Ti	me:	14:20					
tart Date:		1/27/2014			Completion Date	e:	1/27/2014					
//ARRSIM Wa	lkover Survey (10	D'X10')					Monitoring Action levels	RAD (2X Ba	ckground)		As	Pb
ange	4,81	L0-5,620 cpm	Point	5,25	2 cpm		Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	5	3		SM	10YR4/2	Moist	Wood, Grass, Silty Sand with Gravel	0.0	<4	28	5100	
3	-	3		SVV-SIVI	10YR4/4	Dry	Well Graded Medium Sand with Silt and Gravel	0.0	13	97	4975	
5			+	SM	10YR4/2	Biy	Silty Sand with Gravel	0.0	7	22	5460	
7	5	4.5			10YR5/3	Moist	Well Graded Fine Sand with Silt and	0.0	<12	30	5310	
9				SW-SM	10YR5/54		Gravel	0.0	<3	35	4960	
10						Wet						
11	2	1			10YR5/8		Well Graded Medium Sand with Silt and Gravel	0.0	<3	10	4730	
12							and Gravei					

		I		1		SOI	L BORING LOG SHEET		Ī			
BOREHOLE NU	IMBER:	LT-C-032		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po				110-009576			
HEALTH TECHI	VICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 25°		SCALER:	Ludlum 12 / 44-9	9	<u> </u>		186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	hod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:		13:20			Commpletion Ti	me:	14:30					
Start Date:		1/30/2014			Completion Date	e:	1/30/2014					
MARRSIM Wal	lkover Survey (1	.0'X10')				] ,	Monitoring Action levels	RAD (2X Ba	ckground)		As	Pb
Range	4,8	70-5,620 cpm	Point	5,45	5 cpm	·	violinitorini gi victioni revelo	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Filoto Log
1					10YR4/4		Well Graded Medium Sand with Silt and Gravel	0.0	43	66	4,670	
2	5	4										
4				SM	10YR4/1		Silty Sand with Gravel	0.0	13	18	4,830	
5			<u>     </u>		10YR5/3	Wet		0.0	5	20	3,940	
6				CL			Clay					
7				SW-SM	10YR5/4		Well Graded Medium Sand with Silt	0.0	<3	19	4,070	
8	5	4		300-3101	10YR4/6		and Gravel	0.0	,		7,070	
9					10YR7/1		Clave	0.0	10	26	4 200	
10				CL	10YR6/1		Clay	0.0	18	26	4,380	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-034		Instrument		331	Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 18 °		SCALER:	Ludlum 12 / 44-9				186760 / PR1	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		8:20			Commpletion Tir	ne:	9:00					
Start Date:		2/4/2014			Completion Date	<u>:</u>	2/4/2014					
MARRSIM Wal	kover Survey (10	)'X10')	_			<b>N</b>	Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	4,11	.0-4,560 cpm	Point	4,376	5 cpm		1	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<u> </u>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2					10YR3/3			0.0	<1.5	25.5	3,910	
4	5	2.5		SM			Snow, Wood, Leaves, Silty Sand with Gravel	0.0	28	84	3,950	
5 6					10YR3/1	Wet		0.0	95	136	4,150	
7	. 5	5						0.0	57	89	4,260	
				SW-SM			Well Graded Medium Sand with Silt					
9				300 3101	10YR4/1		and Gravel	0.0	73	21	3,980	
10					10104/1			0.0	/3		3,300	
11	2	1		SM			Silty Sand with Gravel	0.0	10	28	3,860	
12							·					

								SOIL	BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-035				Instrument		3011	Model Number				Seri	al Number
GEOLOGIST:	WIDER.	AR					RAE Systems - PO	3M7600	Woder Hamber		110-009576		3611	arvamber
HEALTH TECHN	NICIAN:	MS					Innov-X Systems				500301			
WEATHER:		Sunny 18 °					Ludlum 12 / 44-9				186760 / PR1	153303		
Drilling Metho		Direct Push					Borehole Diamet		2 inch		1007007111	133303		
Sampling Meth		Closed Piston					Borehole Depth:		12 feet					
Start Time:		9:20					Commpletion Tir		9:50					
Start Date:		2/4/2014					Completion Date		2/4/2014					
	kover Survey (10						<u>'</u>			RAD (2X Bac	kground)		As	Pb
Range		10-5,150 cpm	Point			5,282	2 cpm	N	Ionitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	i e	ohic Lo	og	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)			-8		Color	Content	2011 2 000 1 p 110 11	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
0								Wet		* * * *				
1							10YR3/2	Moist		0.0	8	94	3,920	
2	5	4							Cross Wood Looses Driek Ciles Cond					
3									Snow, Wood, Leaves, Brick, Silty Sand with Gravel	0.0	3	59	4,060	
4						SM	10YR4/2	Dry						
5										0.0	230	211	4,170	
6														
7							10YR2/1		Silty Sand, Bog layer at 6'	0.0	362	211	4,050	
8	5	4												
9						SC	10YR3/1	Moist	Clayey Sand	0.0	44	54	3,890	
10							10.1.0, 1			3.0		<i>.</i>	3,330	
11	2	3				SM	10YR5/4		Silty Sand with Gravel	0.0	22	27	3,760	
12	_						101110/14			5.5		<u>-</u> ,	3,700	-

						SOI	L BORING LOG SHEET					
BOREHOLE NU	JMBER:	LT-C-036		Instrument		301	Model Number				Seri	al Number
GEOLOGIST:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	AR		PID:	RAE Systems - Po	GM7600	Woder (Vallise)		110-009576		30.1	u. Humbel
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 29 °		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho		Direct Push		<u> </u>	Borehole Diame		2 inch		<u> </u>			
Sampling Met		Closed Piston			Borehole Depth:		12 feet					
Start Time:		10:40			Commpletion Tir		11:20					
Start Date:		2/4/2014			Completion Date	j:	2/4/2014					
MARRSIM Wa	lkover Survey (1	0'X10')		_			Monitoring Action levels	RAD (2X Bac	ckground)		As	Pb
Range	4,74	40-5,650 cpm	Point	5,379	9 cpm	'	violitoring Action icveis	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<u> </u>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	1 11010 205
1 2	5	3.5			10YR4/3	Moist		0.0	8	19	6,988	
4	-	3.3		SM	10YR5/6	Wiorst	Snow, Silty Sand with Gravel	0.0	2.4	16.9	7,130	
5 6			-		10YR5/4			0.0	<4	17	7,010	
7					10YR4/3			0.0	<15	80	7,140	
8	5	4					Well Graded Medium Sand with Silt					
9				SW-SM	10YR5/6	Wet		0.0	28	91	7,260	
10							Well Graded Medium Sand with Silt					
11	- 2	2.5			10YR3/6		and Gravel	0.0	<14	31	7,340	
12		2.3		SC	101113/0		Clayey Sand	0.0	714	31	7,540	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-C-037		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 29 °		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		11:30			Commpletion Tir	me:	12:05					
Start Date:		2/4/2014			Completion Date	e:	2/4/2014					
MARRSIM Wal	kover Survey (10	D'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	4,36	60-4,990 cpm	Point	4,39	6 cpm	\	worldoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<u> </u>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2				SM	10YR5/4	Wet	Wood, Silty Sand with Gravel	0.0	28	16	6,630	
3	5	3.5			10YR5/1	Moist		0.0	<1.2	11.2	6,760	
6					10YR5/4			0.0	<3	18	6,820	
8	5	4		SW-SM			Well Graded Medium Sand with Silt and Gravel	0.0	3.4	9.8	6,690	
9					10YR4/6	Wet		0.0	<3	19	6,750	
10				SM			Silty Sand					
11	2	3		SW-SM	10YR4/4		Well Graded Medium Sand with Silt	0.0	5	18	6,820	
12		_					and Gravel				3,230	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-038		Instrument		301	Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 29 °		SCALER:	Ludlum 12 / 44-9	)			186760 / PR1	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	er:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		13:00			Commpletion Tir	ne:	13:40					
Start Date:		2/4/2014			Completion Date	<u>:</u>	2/4/2014					
MARRSIM Wal	kover Survey (10	D'X10')	1			ľ	Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	4,64	10-5,330 cpm	Point	5,292	1 cpm		1	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	1.1000 100
1 2	5	4		SM	10YR3/2		Snow, Wood, Silty Sand with Gravel	0.0	<3	34	6,150	
4		7		SC	5YR5/2		Clayey Sand	0.0	7.5	20	6,260	
5 6				CL	10YR6/1	Moist	Sandy Clay with Gravel	0.0	<4	17	6,250	
8	5	3.5						0.0	<2	14	6,390	
9				SM	10YR5/6		Silty Sand with Gravel	0.0	5	8	6,325	
11	2	3		SW-SM	10YR5/3	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	2.2	2.8	6,350	
12			<u>      </u>	SM	, -		Silty Sand				, -	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-039		Instrument		3311	Model Number				Seria	al Number
GEOLOGIST:		AR			RAE Systems - PG	6M7600			110-009576			
HEALTH TECHN		MS			Innov-X Systems				500301			
WEATHER:		Sunny 29 °			Ludlum 12 / 44-9				186760 / PR1	153303		
Drilling Metho		Direct Push			Borehole Diamet	er:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		13:50			Commpletion Tin	ne:	14:30					
Start Date:		2/4/2014			Completion Date	::	2/4/2014					
MARRSIM Wal	kover Survey (10	D'X10')				N	Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	3,53	30-4,010 cpm	Point	3,217	<sup>7</sup> cpm	·	The state of the s	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2				SW-SM	10YR4/4		Wood, Well Graded Medium Sand with Silt and Gravel	0.0	12	15	6,810	
3	5	3.5						0.0	11	43	6,940	
5				SM	10YR4/1		Silty Sand	0.0	17	27	6,750	
6						Wet						
7					10YR6/1			0.0	<4	35	6,830	
8	5	4										
9				CL	10YR6/1/6/3		Clay	0.0	<10	35	6,910	
10					10YR4/4							
11	2	3			10YR5/2			0.0	3.4	30.8	6,920	
12	_	<u> </u>						-1.5		33.3	-,,,	

						SOI	L BORING LOG SHEET					
OREHOLE NU	IMBER:	LT-C-040		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Freezing Rain 32 °		SCALER:	Ludlum 12 / 44-9	)			186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	hod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:		11:30			Commpletion Ti	me:	11:55					
Start Date:		2/5/2014			Completion Date	2:	2/5/2014					
лARRSIM Wal	lkover Survey (1	0'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	4,7	20-5,070 cpm	Point	5,07	6 cpm	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
1 2 3 4	5	3.5			10YR5/4 10YR5/1 10YR5/4	Moist	Snow, Wood, Leaves, Silty Sand  Well Graded Medium Sand with Silt  Well Graded Fine Sand with Silt and Gravel	0.0	11 14 4.3	18	5,800 6,970 6,820	
7					10YR5/2							
8	5	3.5					Well Graded Medium Sand with Silt and Gravel	0.0	3.4	9	6,940	
9				SM	10YR6/2	Wet	Silty Sand with Gravel	0.0	4.2	8.4	6,850	
10												

						SOL	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-041		Instrument		301	Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Freezing Rain 32 °		SCALER:	Ludlum 12 / 44-9	)			186760 / PR1	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		11:30			Commpletion Tir	me:	12:00					
Start Date:		2/5/2014			Completion Date	<u>;</u>	2/5/2014					
MARRSIM Wal	kover Survey (10	)'X10')	T				Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	4,12	20-4,560 cpm	Point	4,942	1 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2		2		SM	10YR5/3		Snow, Wood, Leaves, Silty Sand with Gravel	0.0	4.6	15	4,250	
3	5	3		•			Well Graded Medium Sand with Silt and Gravel	0.0	<1.6	12	4,280	
4						Moist					,	
5							Silt with Gravel	0.0	2.7	11	4,490	
6				ML	10YR5/1							
7			⋙				Silt	0.0	3.4	12	5,120	
8	5	4										
9								0.0	20	10	4.040	
10								0.0	<2	18	4,940	
11	2	1.5		SC	10YR6/2	Wet	Clayey Sand with Gravel	0.0	5	<5	4,250	
12	2	1.5			101NO/2			0.0	ס	77	4,230	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	JMBER:	LT-C-042		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECHI		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Rain 32 °		SCALER:	Ludlum 12 / 44-				186760 / PR:	153303		
Drilling Metho	od:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Met	hod:	Closed Piston			Borehole Depth		10 feet					
Start Time:		12:20			Commpletion Ti	me:	12:50					
Start Date:		2/5/2014			Completion Date	e:	2/5/2014					
MARRSIM Wa	lkover Survey (10	D'X10')		_			Monitoring Action levels	RAD (2X Ba	ckground)		As	Pb
Range	4,74	10-5,850 cpm	Point	4,60	7 cpm		violitioning rection revels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	11100 206
1 2	- - - 5	3.5		SW-SM	10YR6/2		Snow, Wood, Leaves, Well Graded Fine Sand with Silt and Gravel	0.0	<1.6	14	5,350	
4					10YR4/6			0.0	<1.4	11	5,490	
5						Wet		0.0	<1.5	10	5,780	
7	-			CL	10YR5/2		Sandy Clay	0.0	<16	12	6,020	
9	5	5			- 10YR6/1			0.0	<1.5	16	6,270	
10				ML			Silt					

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-043		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	IICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Rain 32 °		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	d:	Direct Push		•	Borehole Diame		2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		12:20			Commpletion Ti		12:50					
Start Date:		2/5/2014			Completion Date		2/5/2014					
MARRSIM Wal	kover Survey (10	D'X10')				Λ.	Appitaring Action lovels	RAD (2X Bad	ckground)		As	Pb
Range		30-4,960 cpm	Point	4,50	2 cpm	ין	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
1 2	5	3		SW-SM	10YR3/2		Grass, Well Graded Fine-Medium Sand with Silt and Gravel	0.0	<1.7	21	4,580	
4					10YR4/4		Sandy Clay with Gravel	0.0	1.6	16	4,960	
6				CL		Wet	Sandy Clay	0.0	<1.7	16	4,502	
7	5	3			10YR4/1		Clay	0.0	<1.7	19	4,909	
9				SW-SM	_		Well Graded Fine Sand with Silt	0.0	<1.5	11	4,820	
10			-									
11	2	2		CL	10YR5/4		Sandy Clay	0.0	<1.7	17	4,502	
12												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-044		Instrument		30.	Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Rain 32 °		SCALER:	Ludlum 12 / 44-9				186760 / PR1	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		13:20			Commpletion Tir	me:	14:05					
Start Date:		2/5/2014			Completion Date	2:	2/5/2014					
MARRSIM Wal	kover Survey (10	O'X10')		T		ľ	Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	4,63	30-5,210 cpm	Point	4,28	7 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<u> </u>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	. 5	3		SM	10YR6/4		Silty Sand with Trace Gravel	0.0	7.1	5	5,400	
3	3	3		CL	10YR6/1		Clay	0.0	3.4	13	5,730	
4				SM	25 1116, 2		Silty Sand	GIG .	<b>3.</b> 1	13	3,730	
5						Moist		0.0	<1.4	6.4	5,610	
6												4
7	5	5		SW-SM	10YR5/6		Well Graded Medium Sand with Silt	0.0	2.2	6.6	5,780	
9								0.0	<1.6	18	6,040	
10				CL	10YR4/2		Sandy Clay					
11	2	2				Wet		0.0	2.1	18	5,540	
12												

						SOL	L BODING LOG SHEET					
DODEHOLE VIII	IMDED:	LT C 045		Instrument		501	L BORING LOG SHEET				Comin	al Number
BOREHOLE NU	NAIREK:	LT-C-045		Instrument	DAE Customs D	CN47600	Model Number		110 000570		Seria	al Number
GEOLOGIST:	ALICIA NI:	AR		PID:	RAE Systems - Po				110-009576			
HEALTH TECHI WEATHER:		MS Partly Cloudy 21 °		XRF: SCALER:	Innov-X Systems				500301	152202		
				JOCALEN.	Ludlum 12 / 44-9		2 inch		186760 / PR	173302		
Drilling Metho		Direct Push			Borehole Diame							
Sampling Meth	noa:	Closed Piston			Borehole Depth:		10 feet					
Start Time: Start Date:		12:50 2/6/2014			Commpletion Ti		13:20 2/6/2014					
	Ilkayyan Cumyayı /1				Completion Date	<u>:.                                    </u>	2/0/2014	RAD (2X Bad	rkground)		As	Pb
	lkover Survey (1		Point	2 20	12 cnm	ľ	Monitoring Action levels	14,648			24 ppm	400 ppm
Range		20-3,410 cpm	İ		3 cpm	Maiatura	Cail Description	1		Dle	I	100 pp
Depth (ft)	Advance (ft)	Recovery	Graphic Log	USCS Code	Soil Color	Moisture	Soil Description	PID Reading	As (nnm)	Pb (nnm)	RAD	Photo Log
(ft)	(11)	(ft)	11111	<u> </u>	Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	5	3			10YR4/1			0.0	8	105	3,890	
4				CL	10YR2/2		Sandy Clay	0.0	<2	14	4,410	
5					10YR3/2	Wet		0.0	<1.5	16.7	4,760	
6												
7				SW			Well Graded Fine Sand	0.0	2.8	11.4	4,270	
8	5	3.5			- 10YR4/6			5.5	2.0		.,,_,	
9				SW-SM	101114/0		Well Graded Fine Sand with Silt	0.0	7	16	4,380	
10							Well Graded Fille Salld With Silt	0.0	,	10	4,360	

			,		1	SO	IL BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-C-048		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECH	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
NEATHER:		Sun 35°		SCALER:	Ludlum 12 / 44-	9			186760 / PR	153303		
Orilling Metho	d:	Air Hammer			Borehole Diame	ter:	2 inch					
Sampling Metl	nod:	Closed Piston			Borehole Depth	•	10 feet					
Start Time:		12:00			Commpletion Ti	me:	12:50					
tart Date:		2/20/2014			Completion Date	e:	2/20/2014					
	kover Survey (10	D'X10')					Manitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	4,45	0-4,790 cpm	Point	4,96	1 cpm		Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	1 11010 208
1 2 3	5	3			10YR5/3	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	<10	13	4,960	
5				SW-SM		- Moist		0.0	<8	14 <21	5,010 4,880	
6					10YR2/1	IVIOIST	Wood, Asphalt, Well Graded Medium	0.0	<19	<21	4,880	
7				10YR3/	10YR3/1		Sand with Silt and Gravel	0.5	<12	15	4,860	
8	5	3.5				Wet		0.0		15	1,,000	
9				ML	10YR4/4	VVCC	Silt	0.0	<50	<34	4,780	
10								5.5			.,. 30	

						SOI	L BORING LOG SHEET					
OREHOLE NU	MBER:	LT-C-049		Instrument			Model Number				Seria	al Number
EOLOGIST:		AR		PID:	RAE Systems - P	GM7600			110-009576			
IEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
VEATHER:		Sun 35°		SCALER:	Ludlum 12 / 44-	9			186760 / PR	153303		
rilling Metho	d:	Air Hammer			Borehole Diame	ter:	2 inch					
ampling Metl		Closed Piston			Borehole Depth	<u> </u>	10 feet					
tart Time:		13:40			Commpletion Ti	me:	14:30					
tart Date:		2/20/2014			Completion Date	e:	2/20/2014					
	kover Survey (10	D'X10')					Manitaria - Antiqui Invala	RAD (2X Bad	ckground)		As	Pb
ange		30-4,760 cpm	Point	4,89	4 cpm	1	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Planta La
(ft)	(ft)	(ft)			Color	Content	· ·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1				SW-SM	10YR4/4	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	<17	<17	4,690	
3	5	3					and Graver					
4				CL	10YR5/1	Moist	Clayey Sand with Gravel	0.0	<14	24	5,120	
5				SW-SM	- 10YR5/3	IVIOISC	Well Graded Medium Sand with Silt and Gravel	0.0	<7	13	4,940	
6				SM			Silty Sand with Gravel					
7				SW-SM			Well Graded Medium Sand with Silt and Gravel	0.5	<68	<65	4,860	
8	5	3.5			10VDF /4	Mat		0.5	<b>\</b> 00	\( \cdot \)	+,000	
9				SM	10YR5/1	Wet	Silty Sand with Gravel	0.0		10	4 740	
10								0.0	<7	19	4,740	

		1	1	Г	1	SO	IL BORING LOG SHEET		ı			
BOREHOLE NU	JMBER:	LT-C-053		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PC	GM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Mist 37°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR	153303		
Drilling Metho	od:	Air Hammer			Borehole Diamet	ter:	2 inch					
Sampling Metl	hod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:		11:10			Commpletion Tir	ne:	12:30					
Start Date:		2/21/2014			Completion Date	:	2/21/2014					
MARRSIM Wal	lkover Survey (	10'X10')					Monitoring Action levels	RAD (2X Bac	ckground)		As	Pb
Range			Point				Wienitering / tetien revels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	. Hoto Log
0					10YR2/1	Wet						
1								0.0	31	147	4,280	
2	- 5	3.5		SW-SM	10YR5/3		Well Graded Medium Sand with Silt and Gravel, some brick					
3					10YR5/1	Moist		0.0	<4.6	21	5,590	
4	-											
5				CL	10YR2/1		Asphalt, Clayey Sand with Gravel	0.0	<5.6	36	4,285	
6	-				10YR4/1							
7				SM			Ash, Silty Sand with Gravel	0.5	17.6	22	5,410	
8	5	4			- 10YR3/2	Wet	·					
9					233, 2		Bog	0.0	3.3	7.1	6,060	
10							Dog	0.0	J.J	/.1	0,000	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-C-054		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P	PGM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems	s Inc DS-4000			500301			
WEATHER:		Mist 37°		SCALER:	Ludlum 12 / 44-	-9			186760 / PR	153303		
Orilling Metho	d:	Air Hammer			Borehole Diame	eter:	2 inch					
Sampling Meth	hod:	Closed Piston			Borehole Depth	ı:	5 feet					
Start Time:		12:40			Commpletion Ti	ime:	13:50					
Start Date:		2/21/2014			Completion Dat	:e:	2/21/2014					
MARRSIM Wal	lkover Survey (1	0'X10')					Monitoring Action levels	RAD (2X Bad	kground)		As	Pb
Range			Point			'	Worldoning Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading			RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	111010 206
0					10YR3/1	Wet						
1					10YR3/3			0.0	10	26	4,066	
2	5	4		SW-SM		Moist	Well Graded Medium Sand with Silt and Gravel					
3		4						0.0	<5.6	14	4,465	
4					10YR5/1	West		0.0	13.0	17	4,403	
5				SM		Wet	Silty Sand with Gravel	0.0	<3.7	<5.3	4,785	

							L DODING LOG CUETT					
		l		<u> </u>		SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-C-055		Instrument			Model Number				Seria	al Number
GEOLOGIST:		DNE		PID:	RAE Systems - Po				110-009576			
HEALTH TECHI		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Partly Cloudy 22 °		SCALER:	Ludlum 12 / 44-9		T		186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Metl	hod:	Closed Piston			Borehole Depth:		10 feet					
Start Time:		12:15			Commpletion Ti	me:	12:45					
Start Date:		2/10/2014			Completion Date	2:	2/10/2014					
MARRSIM Wa	kover Survey (1	0'X10')				ļ ,	Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	2,3	40-2,590 cpm	Point	2,35	1 cpm	'	violitioning / telion levels	14,648	cpm		24 ppm	400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
1 2 3 4	5	2.5			10YR2/2 10YR5/4	Wet	Medium-Fine Sands, Silt, Trace Gravel.  Medium-Fine Sands, Trace Silt, Gravel.	0.0	< 1.8 3.1	28 53 29	3,910 3,880 3,850	
7								0.0	8.4	7	3,900	
9	5	1.5			10YR4/2		Medium-Fine Sands, trace Gravel, Trace Silt.					
10								0.0	14.3	< 1.9	3,780	

							L DODING LOG CUETT					
				<u> </u>		SOI	L BORING LOG SHEET		<u> </u>			
BOREHOLE NU	JMBER:	LT-C-056		Instrument			Model Number				Seria	al Number
GEOLOGIST:		DNE		PID:	RAE Systems - P				110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Partly Cloudy 22 °		SCALER:	Ludlum 12 / 44-9	9			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	hod:	Closed Piston			Borehole Depth		10 feet					
Start Time:		14:00			Commpletion Ti	me:	14:20					
Start Date:		2/10/2014			Completion Date	e:	2/10/2014					
MARRSIM Wal	lkover Survey (1	0'X10')					Monitoring Action levels	RAD (2X Ba	ckground)		As	Pb
Range	5,1	30-5,630 cpm	Point	5,34	7 cpm		violitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Dhata Las
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
0					40//02/4	Down	Madison Fine Canda Cile and Consul	0.0	40	54	2.040	
2	5	2.5		<b>3</b> VV	10YR3/4	Dry	Medium-Fine Sands, Silt and Gravel.	0.0	49	54	3,940	
4				SM	10YR3/6	Moist	Fine Sands, Silt.	0.0	20	20	4,010	
5				SW			Medium-Fine Sands, Silt, and Gravel.  Petroleum Staining.	65.0	17	17	4,080	
6					10YR2/1	Wet						
7				GW			Gravely Sand	62.0	29	29	3,830	
8	5	4									·	
9				SM	10YR2/2	Moist	Fine Sands & Organic Material.	4.0	4.5	4.5	3,840	
10								7.0	7.5	7.5	3,040	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	JMBER:	LT-C-057		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Mist 37°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR	153303		
Drilling Metho	od:	Air Hammer			Borehole Diame	ter:	2 inch					
Sampling Met		Closed Piston			Borehole Depth:		10 feet					
Start Time:		14:05			Commpletion Tir	me:	15:00					
Start Date:		2/21/2014			Completion Date	2:	2/21/2014					
MARRSIM Wa	lkover Survey (10	D'X10')					Monitoring Action lovels	RAD (2X Bad	ckground)		As	Pb
Range			Point			I	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Filoto Log
1					10YR3/1	Wet		0.0	<17	18	5,580	
2	5	3.5		SW-SM -			Well Graded Medium Sand with Silt and Gravel					
3					10YR4/1	Moist		0.0	<15	29	6,275	
5												
6					10YR5/1			0.0	<4.2	10	4,230	
7				CL	101K5/1	Wet	Clayey Sand with Gravel	0.5	<7	3.7	5,685	
8	5	4						·		2,332		
9					10YR3/2		Bog	0.0	<4.7	<3	5,170	
10												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-X-001		Instrument		- 2.	Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Clouds 36°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		10:45			Commpletion Ti		11:35					
Start Date:		1/16/2014			Completion Date	2:	1/16/2014					
	kover Survey (10						Annihaning Antiqui lavala	RAD (2X Bad	ckground)		As	Pb
Range		00-6,500 cpm	Point	6,36	1 cpm	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Dhata Las
(ft)	(ft)	(ft)			Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2				SM	10YR4/3	Moist	Wood, Grass, Silty Sand with Gravel.	0.0	5	25	NA	
3	5	3						0.0	9	32	6450	
5				SW-SM	10YR5/4		Well Graded, Medium Sand with Silt and Gravel	0.0	3	6	6700	
7	5	3		SP-SM	10YR5/5	Dry	Poorly Graded Medium Sand and Gravel.	0.0	7	<3	6400	
9					10YR5/3	Moist		0.0	12	9	6750	
10				SW-SM			Well Graded, Medium Sand with Silt and Gravel					
11	2	2			10YR5/8	Wet	anu Glavei	0.0	<3	11	6500	
12	_	_										

						SOI	L BORING LOG SHEET					
OREHOLE NU	MBER:	LT-X-002		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR			RAE Systems - P	GM7600			110-009576		30,11	
IEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
VEATHER:	110,7,111	Clouds 38°			Ludlum 12 / 44-				186760 / PR:	153303		
rilling Metho	d:	Direct Push		•	Borehole Diame		2 inch		, <b>,</b>			
ampling Meth		Closed Piston			Borehole Depth		12 feet					
tart Time:		11:50			Commpletion Ti		12:30					
art Date:		1/16/2014			Completion Date		1/16/2014					
	kover Survey (10							RAD (2X Bac	ckground)		As	Pb
ange		50-4,500 cpm	Point	4,44	4 cpm	ľ	Monitoring Action levels	14,648			24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)	- Crape 288		Color	Content	Jon 2000., <b>p</b> 000	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	_				10YR6/4			0.0	3	7	6100	
4	5	2.5		SM			Silty Sand and Gravel	0.0	8	11	6270	
5					10YR5/2	Moist		0.0	<4	12	6800	
7	5	3		SW-SM	10YR4/6		Well Graded, Medium Sand with Silt and Gravel	0.0	<1.8	8	7100	
9		3			- 10YR5/6							
10			<b>****</b>	ML			Silt with Gravel	0.0	1.7	7.6	6950	
11	2	2	<b>****</b>		10YR4/1			0.0	<47	20	6800	
12				SC			Clayey Sand					

						SOI	BORING LOG SHEET					
BOREHOLE NU	IMRFR·	LT-X-003		Instrument		301	Model Number				Seri	al Number
GEOLOGIST:	WIDEK.	AR		PID:	RAE Systems - Po	GM7600	Model Wallisel		110-009576		3611	ur rumber
HEALTH TECHI	VICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Clouds 38°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	d:	Direct Push		<u>'</u>	Borehole Diame		2 inch		<u>'</u>			
Sampling Metl		Closed Piston			Borehole Depth:		12 feet					
Start Time:		13:20			Commpletion Ti		13:53					
Start Date:		1/16/2014			Completion Date		1/16/2014					
	lkover Survey (10				<u>'</u>			RAD (2X Bad	ckground)		As	Pb
Range		50-4,710 cpm	Point	4,69	2 cpm	N	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	<u> </u>
(ft)	(ft)	(ft)	2.35228		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	5	4			10YR3/2			0.0	7	26	6750	
4				SM	10YR4/4		Silty Sand and Gravel	0.0	<5	16	6800	
6			-			Dry		0.0	<3	19	7020	
7	5	3			10YR4/6		Well Graded, Medium Sand and Gravel	0.0	<4	15	6980	
9				SW-SM				0.0	3	11	6890	
10					10YR5/4		Crushed Brick					
11	2	3		CL	10YR4/4		Clay	0.0	<2	21	6710	
12	2	3		CL	10184/4		Сіау	0.0	~2	21	0/10	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-X-004		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR			RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 25°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		8:00			Commpletion Tir	me:	8:50					
Start Date:		1/17/2014			Completion Date	2:	1/17/2014					
MARRSIM Wal	kover Survey (10	)'X10')					Monitoring Action levels	RAD (2X Bac	ckground)		As	Pb
Range	4,85	50-6,210 cpm	Point	5,42	4 cpm	יו	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	T Hoto Eog
1					10YR4/4			0.0	<3	30	NA	
2	- 5	3				Dry						
3				SW	10YR4/6		Asphalt, Well Graded Medium Sand with Gravel	0.0	9	13	7640	
4												
5					10YR3/6	Moist		0.0	<4	8	7820	
6												
7					10YR4/6			0.0	3	8	7700	
8	5	3		SM		Dry	Silty Sand					
9					10YR4/4			0.0	1.9	12	7750	
10												
11	2	1.5		SW	10YR4/6	Moist	Well Graded Medium Sand with	0.0	3.2	3.7	7400	
12							Gravel					

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-X-005		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	IICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Sunny 25°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		9:00			Commpletion Ti	me:	9:20					
Start Date:		1/17/2014			Completion Date	<u>e</u> :	1/17/2014					
MARRSIM Wal	kover Survey (10	D'X10')		_			Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	5,40	00-6,500 cpm	Point	6,31	5 cpm		Tomicol III, g / lettor levels	14,648	cpm		24 ppm	400 ppm
Depth (ft)	Advance (ft)	Recovery (ft)	Graphic Log	USCS Code	Soil Color	Moisture Content	Soil Description	PID Reading (ppm)	As (ppm)	Pb (ppm)	RAD (cpm)	Photo Log
0	(1-7)	()			10YR4/3			0.0	13	143	NA	
2	5	1.5				Dry						
3				•	10YR4/6			0.0	7	8	7900	
4				SW-SM			Asphalt, Well Graded Medium Sand with Silt and Gravel					
6								0.0	<3	23	6315	
7					10YR3/2	Moist		0.0	6	9	8050	
8	5	2										
9								0.0	<2	7	7880	
10				SW	10YR4/6		Well Graded Medium Sand with					
11	2	2				Wet	Gravel	0.0	<3	32	8100	
12												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-X-006		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Sunny 35°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		9:35			Commpletion Ti	me:	10:40					
Start Date:		1/17/2014			Completion Date	<u>:</u>	1/17/2014					
MARRSIM Wal	kover Survey (10	D'X10')		1		<u> </u>	Monitoring Action levels	RAD (2X Bad			As	Pb
Range	4,55	50-5,900 cpm	Point	7,63	7 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)		1	Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1					10YR4/3			0.0	6	79	NA	
2	5	2.5		SW-SM			Asphalt, Well Graded Medium Sand with Some Silt and Gravel					
3					10YR4/6		with some sit and draver	0.0	4	53	7250	
4												
5			////			Moist		0.0	<1.8	8	7380	
6				SC			Clayey Sand with Gravel					
7				SW	10YR3/2		Well Graded Medium Sand with Gravel	0.0	5	16	8120	
8	5	4.5			,							
9				SC			Clayey Sand	0.0	<3	20	7760	
10					10YR4/6			0.0	.5	20	,,,,,	
11	2	2		SW	101117,0		Well Graded Medium Sand with Gravel	0.0	<3	9	7430	
12	_	_		SC			Clayey Sand with Gravel	0.0	,		, 130	

						SOII	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-X-007		Instrument		3011	Model Number				Seria	al Number
GEOLOGIST:	WIDER.	AR		PID:	RAE Systems - Po	GM7600	Model Wallisel		110-009576		3611	ar Number
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 35°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho		Direct Push		JONEEN.	Borehole Diame		2 inch		1007007111	133303		
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		10:50			Commpletion Ti		11:15					
Start Date:		1/17/2014			Completion Date		1/17/2014					
	kover Survey (10							RAD (2X Bac	kground)		As	Pb
Range		30-6,510 cpm	Point	4,46	6 cpm	·	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)			Color	Content	'	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	5	2.5		SM	10YR4/6	Dry	Asphalt, Silty Sand with Gravel	0.0	7	54	7890	
4		2.5			10184/6			0.0	<3	21	8070	
6				0.44	10176/4		Well Graded Medium Sand with	0.0	<2	10	8160	
7	5	3		SW	10YR6/1	Moist	Gravel	0.0	<1.5	10	8340	
9				ML	10YR4/1		Silt	0.0	<1.8	13	7960	
11	_				10184/1		Well Graded Medium Sand with					
12	2	1.5				Wet	Gravel	0.0	<1.9	11	8120	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	JMBER:	LT-X-008		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Cloudy 29°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	od:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Met	hod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		9:20			Commpletion Ti	me:	10:00					
Start Date:		1/27/2014			Completion Date	e:	1/27/2014					
//ARRSIM Wa	lkover Survey (1	0'X10')				,	Monitoring Action levels	RAD (2X Bad	kground)		As	Pb
Range	4,10	00-4,700 cpm	Point	4,22	8 cpm		violitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
0				SW-SM	10YR4/2		Asphalt, Well Graded Medium Sand with Silt and Gravel	0.0	10	34	7,250	
2	- 5	4				Dry						
3				1	10YR4/4		Silt	0.0	8	22	7,340	
4	_											
5			_					0.0	6	10	7,380	
6			1111111									
	_			SM			Silty Sand with Gravel					
7	-				10YR3/2	Moist		0.0	5	16	7,200	
8	5	4.5	ШШ		10YR6/2							
9					10YR5/6			0.0	64	75	7,210	
10				ML	·		Silt with Gravel					
11	2	2		IVIL	10YR4/1	Wet	Sile with Graver	0.0	11	10	7,300	
12			****		15.11.71			5.0			.,500	

						SOII	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-X-009		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR			RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Cloudy 29°			Ludlum 12 / 44-9				186760 / PR	153303		
Orilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
tart Time:		10:20			Commpletion Tir	me:	10:55					
tart Date:		1/27/2014			Completion Date	<u>;</u> :	1/27/2014					
ARRSIM Wal	kover Survey (10	D'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
ange	4,26	60-4,810 cpm	Point	4,44	7 cpm	יו	wormtoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	5	3.5		SW-SM	10YR4/3		Asphalt, Well Graded Medium Sand with Silt and Gravel	0.0	42	42	6,980	
4	,	3.3			10YR4/2	Dry		0.0	<6	54	7,160	
5				SM	10YR5/4		Silty Sand	0.0	8	8	7,320	
			גננננע									
7	5	4		SC	10YR5/6		Clayey Sand	0.0	<5	14	7,460	
_			1////									
9					10YR5/3	Wet		0.0	15	12	7 110	
10				SW-SM	10YR3/6	wet	Well Graded Medium Sand with Silt and Gravel	0.0	15	12	7,110	
11	2	2		SW	10YR4/1		Well Graded Medium Sand with	0.0	1.9	4.7	7,230	
12		2			101114/1		Gravel	0.0	1.9	7./	7,230	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-G-004		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 11°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		9:15			Commpletion Tir	ne:	9:50					
Start Date:		1/28/2014			Completion Date	2:	1/28/2014					
MARRSIM Wal	kover Survey (10	)'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	5,84	0-5,780 cpm	Point	5,65	5 cpm	יו	violitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	T Hoto Log
1				SW-SM		Dry	Well Graded Medium Sand with Silt and Gravel	0.0	<7	40	6,790	
2	- 5	3			10YR4/4							
3							Well Graded Medium Sand with Gravel and Brick	0.0	3.5	17.6	7,110	
4				SW								
5					10YR4/8		Well Graded Fine Sand with Gravel	0.0	<5	18	6,840	
6			(////									
7				SC	10YR4/3	Wet	Sandy Clay	0.0	14	20	6,690	
8	5	4										
9				SW-SM	10YR4/2		Well Graded Fine Sand with Silt	0.0	<4	33	6,625	
10												
11	2	2		SW	10YR5/8		Well Graded Fine Sand with Gravel	0.0	4	8	6,510	
12				JVV	10YR4/1		vien Gradea i ine Sana with Graver	0.0	<b>-</b>	, , , , , , , , , , , , , , , , , , ,	0,510	

						SOL	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-G-005		Instrument		301	Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 11°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	er:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		10:10			Commpletion Tir	ne:	10:45					
Start Date:		1/28/2014			Completion Date	<b>:</b>	1/28/2014					
MARRSIM Wal	kover Survey (10	O'X10')	T	1		N	Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	4,59	90-5,720 cpm	Point	4,635	5 cpm		1	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)		1	Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2		2.5		SW-SM	10YR5/2		Well Graded Medium Sand with Silt and Gravel	0.0	8	32	7,010	
4	5	2.5			10YR4/1			0.0	<4	<5	7,140	
5				SM			Silty Sand	0.0	<20	46	7,190	
6						Wet		0.0	120		7,130	
7				SW-SM	10YR4/3		Well Graded Medium Sand with Silt and Gravel	0.0	20	23	6,980	
8	5	5										
9					10YR6/3			0.0	18	26	6,840	
10				CL			Clay					
11	2	2.5			10YR4/1		,	0.0	9	12	6,800	
12												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-G-006		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 11°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Orilling Metho		Direct Push		<u> </u>	Borehole Diame		2 inch		<u> </u>			
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
tart Time:		11:30			Commpletion Ti		12:00					
tart Date:		1/28/2014			Completion Date		1/28/2014					
	kover Survey (10							RAD (2X Bad	ckground)		As	Pb
ange		00-6,250 cpm	Point	6,33	2 cpm	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)			Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2		2		SM	10YR4/2		Grass, Leaves, Silty Sand with Gravel	0.0	18	18	6,540	
3	5	3			10YR4/1	Moist		0.0	11	26	6,710	
6				SW			Well Graded Medium Sand with Gravel	0.0	26	29	6,980	
7	5	4		200	10YR4/6			0.0	18	21	6,780	
9					10YR5/2	Wet		0.0	<8	30	6,730	
10				SM			Silty Sand					
11	2	2			10YR3/3		, ,	0.0	9	12	7,090	
12	_	_			10YR5/2			5.0			,,555	

						SOI	BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-G-007		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Sunny 11°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	hod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		12:40			Commpletion Ti	me:	13:45					
Start Date:		1/28/2014			Completion Date	2:	1/28/2014					
MARRSIM Wal	lkover Survey (10	0'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	6,12	20-6,980 cpm	Point	6,78	5 cpm	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	T Hoto Log
1 2	_	2.5		SM	10YR4/4	Moist	Well Graded Silty Sand with Gravel	0.0	5	26	7,075	
3	5	2.5		CL			Silty Clay with Gravel	0.0	4	17	6,725	
5					- 10YR5/4			0.0	<4	20	7,360	
8	5	3		0).44	10YR5/1		Well Graded Medium Sand with Gravel	0.0	<1.2	9.7	7,070	
9				SW	10YR5/3	Wet		0.0	6	11	7,050	
11	2	2			10YR6/3		Well Graded Fine Sand	0.0	<1	10.8	7,350	
12											,	

						SOL	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-G-008		Instrument		301	Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600	Woder Warner		110-009576		36110	ar Nambe.
HEALTH TECHN	VICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 11°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho		Direct Push		JOGNIELINI	Borehole Diame		2 inch		1207007111			
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		14:00			Commpletion Ti		14:35					
Start Date:		1/28/2014			Completion Date		1/28/2014					
	lkover Survey (10							RAD (2X Bac	ckground)		As	Pb
Range		50-6,730 cpm	Point	6,66	5 cpm	ľ	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	District of
(ft)	(ft)	(ft)			Color	Content	·	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2	5	3.5		SM	10YR4/4	Dry	Grass, Silty Sand with Gravel	0.0	8	13	6,970	
4		3.3		SIVI	10YR4/6	Diy	Grass, Sifty Sand With Graver	0.0	4	18	6,840	
5				<u> </u>	10YR6/2			0.0	4.5	20	7,200	
6												
7	5	4			10YR4/6			0.0	15	15	6,940	
9				SW-SM		Wet	Well Graded Medium Sand with Silt					
10					40/20/		and Gravel	0.0	8	<4	7,320	
11	2	3"			10YR3/4			0.0	<5	5	7,205	
12				414				-	-		,	

								PODING LOG SUFFE					
DOD511015 1111	IN ADER	LT C 000		<u> </u>		<u> </u>	SOI	L BORING LOG SHEET		Ī			- IN
BOREHOLE NU	JMBER:	LT-G-009			strument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID		RAE Systems - Po				110-009576			
HEALTH TECHI		MS		XRF		Innov-X Systems				500301			
WEATHER:		Cloudy 17°		SCA		Ludlum 12 / 44-9		T		186760 / PR	153303		
Drilling Metho		Direct Push				Borehole Diame		2 inch					
Sampling Metl		Closed Piston				Borehole Depth:		10 feet					
Start Time:		8:30				Commpletion Ti		9:00					
Start Date:		1/29/2014				Completion Date	e: T	1/29/2014	DAD (2V.D.	.1	Ī	<b>A</b> :	l Di
	lkover Survey (10						ŀ	Monitoring Action levels	RAD (2X Bac			As	Pb
Range		40-7,510 cpm	Point			6 cpm T		T	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Lo	og l	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<del> </del>			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	5	2.5				10YR5/2		Silty Sand	0.0	<4	37	7,100	
4		2.9			SM	10YR4/3	Dry		0.0	5	9	6,850	
6			$\ \ $			10YR4/4		Silty Sand with Gravel	0.0	6	14	6,790	
7	5	2.5				10YR3/4	Moist		0.0	4.7	7	7,000	
		2.5			SW-SM			Well Graded Sand with Silt and Gravel					
9						10YR4/2	Wet		0.0	6	14	6,970	
10			[+0+0+0+0+0+0+0+0+0+0+0+0+0+0+0+0+0+0+0										

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMBER:	LT-G-010		Instrument			Model Number				Seri	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Cloudy 17°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho		Direct Push			Borehole Diame	ter:	2 inch					
Sampling Metl		Closed Piston			Borehole Depth:	:	12 feet					
Start Time:		9:20			Commpletion Ti	me:	10:20					
tart Date:		1/29/2014			Completion Date	e:	1/29/2014					
//ARRSIM Wa	lkover Survey (10	O'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	5,24	10-6,010 cpm	Point	5,77	5 cpm	'	worldoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1				SM	10YR3/2	Wet	Wood, Leaves, Silty Sand	0.0	9	16	7,080	
2	- 5	2.5			-							
3					10YR3/6		Well Graded Fine Sand with Silt and Gravel	0.0	<4	24	6,920	
4							Graver					
5					10YR3/4	Moist	Well Graded Medium Sand with Silt and Gravel	0.0	<1.1	12.7	6,570	
6												
7				SW-SM				0.0	23	<2.6	6,590	
8	5	4										
9					10YR4/4		Well Graded Sand with Silt and	0.0	62	3.2	5,750	
10					20,7	Wet	Gravel	5.0	32	5.2	5,7.55	
11	2	6"				Wet		0.0	<8	14	5,750	
12	2	0						U.U	\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	14	5,/50	

						SO	IL BORING LOG SHEET					
BOREHOLE NU	JMBER:	LT-G-011		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - P	GM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Cloudy 17°		SCALER:	Ludlum 12 / 44-9	9			186760 / PR:	153303		
Drilling Metho	od:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Met	hod:	Closed Piston			Borehole Depth:	:	10 feet					
Start Time:		10:30			Commpletion Ti	me:	11:20					
Start Date:		1/29/2014			Completion Date	e: -	1/29/2014					
MARRSIM Wa	lkover Survey (1	0'X10')		1			Monitoring Action levels	RAD (2X Bac			As	Pb
Range	5,43	30-6,420 cpm	Point	5,94	3 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)		1	Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	5				10YR4/1	Moist	Clay	0.0	2	16	6,970	
3	3	4					Clay with Gravel	0.0	<1.6	16	6,840	
5				CL				0.0	1.7	16	7,180	
6					10YR3/1							
7						Wet	Clay	0.0	2.9	21	7,030	
8	5	5										
9								0.0	4.9	15	6,780	
10												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-G-012		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Cloudy 17°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		11:30			Commpletion Tir	me:	12:00					
Start Date:		1/29/2014			Completion Date	<u>:</u> :	1/29/2014					
MARRSIM Wal	kover Survey (10	)'X10')					Monitoring Action levels	RAD (2X Bac	ckground)		As	Pb
Range	6,55	50-6,840 cpm	Point	6,79	4 cpm		violitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	T Hoto Log
1						Moist	Silty Clay	0.0	<1.7	16	6,545	
2	5	4.5		CL	10YR4/3							
3							Clay	0.0	13	5.1	6,760	
4												
5							Well Graded Fine Sand	0.0	<1.5	17	6,550	
6					10YR5/8							
7						Wet		0.0	3	4.8	7,020	
8	5	4		SW								
9					10YR4/6		Well Graded Fine Sand with Gravel	0.0	3	6.3	7,100	
10					25,0		and the same same same same same same same sam	5.5		5.5	7,200	
11	2	1.5			10YR45/4			0.0	<1.4	10.2	6,970	
12	_	1.0			233, 1			5.5		10.2	3,30	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-G-013		Instrument		3011	Model Number				Seria	al Number
GEOLOGIST:		AR			RAE Systems - Po	GM7600	- Model Humber		110-009576		36110	
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Cloudy 17°			Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho		Direct Push		-	Borehole Diame		2 inch		<u> </u>			
Sampling Meth		Closed Piston			Borehole Depth:		12 feet					
Start Time:		13:00			Commpletion Ti		13:45					
Start Date:		1/29/2014			Completion Date		1/29/2014					
MARRSIM Wal	kover Survey (10	D'X10')					Monitoring Action levels	RAD (2X Bad	kground)		As	Pb
Range	6,05	60-6,410 cpm	Point	6,25	9 cpm	) I'	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2				SW-SM	10YR5/3	Dry	Well Graded Medium Sand with Silt and Gravel	0.0	3.6	12.7	6,815	
4	5	4			- 10YR4/3	Moist		0.0	13	11	6,850	
5 6				SM	101111,13		Silty Sand	0.0	3.5	12.1	7,020	
8	5	5		SW	10YR3/6		Well Graded Fine Sand	0.0	5.7	8.9	7,580	
9						Wet		0.0	27	42	7,350	
10				SC	10YR5/4		Clayey Sand	5.0	_,		7,550	
11	2	2.5		50	1511.5, 4		Sidyey Sund	0.0	<8	38	7,160	
12				SM			Silty Sand				1,200	

						SOL	L BORING LOG SHEET					
BOREHOLE NU	IMRER:	LT-G-014		Instrument		301	Model Number				Seria	l Number
GEOLOGIST:	AVIDEN.	AR		PID:	RAE Systems - P	GM7600	Woder Number		110-009576		Jene	Hambel
HEALTH TECHN	NICIΔN·	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Cloudy 17°		SCALER:	Ludlum 12 / 44-				186760 / PR	153303		
Drilling Metho		Direct Push		100/112111	Borehole Diame		2 inch		12007007			
Sampling Meth		Closed Piston			Borehole Depth		10 feet					
Start Time:	104.	13:55			Commpletion Ti		14:25					
Start Date:		1/29/2014			Completion Date		1/29/2014					
	kover Survey (10	•						RAD (2X Ba	ckground)		As	Pb
Range		75-7,460 cpm	Point	6,83	1 cpm	- 	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<del> </del>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	5	4		SM	10YR5/4		Silty Sand with Gravel	0.0	8	15	6,950	
4					10YR4/3	Moist		0.0	8	24	6,790	
5				SW-SM	10YR4/4		Well Graded Medium Sand with Silt and Gravel	0.0	<8	26	6,540	
6				sc	10YR4/1		Clayey Sand	6.6			9,3 10	
8	5	4		SW-SM	10YR4/4		Well Graded Medium Sand with Silt and Gravel	0.0	3.5	7.2	6,540	
9				SM	10YR2/1	Wet	Silty Sand with Gravel	0.0	2.2	8.8	6 200	
10				SW-SM	10YR4/2	wet	Well Graded Medium Sand with Silt and Gravel	U.U	2.2	0.0	6,380	

						SOL	L BORING LOG SHEET					
BOREHOLE NU	JMBER:	LT-G-015		Instrument			Model Number				Seria	l Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHI	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 16°			Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	od:	Direct Push			Borehole Diame		2 inch					
Sampling Met		Closed Piston			Borehole Depth:		12 feet					
Start Time:		8:15			Commpletion Tir		9:00					
Start Date:		1/30/2014			Completion Date	<u>;</u> :	1/30/2014					
MARRSIM Wa	lkover Survey (10	D'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	5,86	50-6,530 cpm	Point	6,345	5 cpm	'	violitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Filoto Log
1					10YR3/2			0.0	9	20	5,650	
2	- 5	4										
3	-				10YR4/4			0.0	49	41	5,820	
4	_			SM			Wood, Leaves, Silty Sand, Little Gravel					
5			<u>     </u>		10YR5/3	Dry		0.0	<1.7	15.8	6,110	
6	-											
7	_							0.0	4.2	17.6	5,830	
8	5	2			10YR5/4							
9				SW			Well Graded Medium Sand with Silt	0.0	4.7	12.6	5,560	
10				SM			Silty Sand with Gravel				-,2	
11	2	2		Jivi	10YR4/4	Moist	Sity Sund With Graver	0.0	4.5	17	5,770	
12	-	-		CL			Sandy Clay	0.0	5		3,,,,	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-G-016		Instrument		331	Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Sunny 16°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	er:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		9:10			Commpletion Tir	ne:	9:50					
Start Date:		1/30/2014			Completion Date	<u>:</u>	1/30/2014					
MARRSIM Wal	kover Survey (10	D'X10')	_	1		ľ	Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
Range	5,87	70-6,530 cpm	Point	6,079	Э срт			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	. 5	4		SM	10YR2/1		Wood, Leaves, Silty Sand	0.0	5	26	5,840	
4		·			10YR3/4			0.0	28	<10	5,910	
5 6					10YR4/6	Dry	Well Graded Fine Sand	0.0	16	15	6,140	
7	_			1			Silt	0.0	5.2	22.1	5,980	
8	5	4.5	<b>****</b>									
9				SM			Silty Sand	0.0	<3	21	5,930	
10			<u> </u>		10YR4/2							
11	2	3		ML		Moist	Silt	0.0	9	28	5,440	
12			<b>****</b>									

						SOI	L BORING LOG SHEET					
BOREHOLE NU	JMBER:	LT-G-017		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 16°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Orilling Metho	od:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	hod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		10:10			Commpletion Ti	me:	10:35					
tart Date:		1/30/2014			Completion Date	<b>:</b> :	1/30/2014					
1ARRSIM Wal	lkover Survey (1	0'X10')					Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
ange	5,38	30-5,830 cpm	Point	5,81	4 cpm	'	violitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
1 2		4		SM	10YR2/1		Wood, Leaves, Silty Sand	0.0	8	30	5,640	
3	5	4			10YR4/4		Silty Sand with Gravel	0.0	1.6	12.6	5,880	
5				SC	10YR4/2	Dry	Clayey Sand with Gravel	0.0	18	31	5,760	
7	5	4		ML			Silty Sand with Gravel	0.0	9	16	5,900	
9					- 10YR5/4			0.0	4	22	5,830	
10				CL			Sandy Clay					
11	2	3			10YR4/6	Moist		0.0	5	21	5,760	
12												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-G-018		Instrument		331	Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Sunny 16°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR1	153303		
Drilling Metho	d:	Direct Push			Borehole Diamet	ter:	2 inch					
Sampling Meth	nod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		11:05			Commpletion Tir	me:	11:35					
Start Date:		1/30/2014			Completion Date	2:	1/30/2014					
MARRSIM Wal	kover Survey (10	D'X10')	T	1		ľ	Monitoring Action levels	RAD (2X Bac			As	Pb
Range	5,37	70-5,830 cpm	Point	5,766	6 cpm			14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	 		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2		4			10YR3/2			0.0	22	26	5,830	
4	,	4		SM	10YR3/4		Wood, Leaves, Silty Sand with Gravel	0.0	14	26	6,170	
5 6					10YR5/4	Dry		0.0	16	22	5,940	
8	5	4.5						0.0	15	42	6,210	
9				CL	10YR5/3		Clay	0.0	3.6	14.7	5,500	
			(1111)									4
11	2	2		SM	10YR5/4	Moist	Silty Sand	0.0	2.5	7.8	5,730	
12				SW	·		Well Graded Fine Sand				·	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	JMBER:	LT-G-019		Instrument		301	Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600	model (vallige)		110-009576		36116	
HEALTH TECHI		MS		XRF:	Innov-X Systems				500301			
WEATHER:		Partly Cloudy 21 °		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho		Direct Push		•	Borehole Diame		2 inch		· · · · · · · · · · · · · · · · · · ·			
Sampling Met	hod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:		9:00			Commpletion Ti		9:25					
Start Date:		2/6/2014			Completion Date	<u>e</u> :	2/6/2014					
MARRSIM Wa	lkover Survey (10	'X10')				,	Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	2,990	0-3,530 cpm	Point	3,13	4 cpm	'	worldoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	FIIOLO LOG
1 2	5	3		SW	10YR4/4	Moist	Stone, Well Graded Fine Sand with Trace Gravel	0.0	<4	74	3,940	
4	3	3		SW-SM	10YR3/3		Well Graded Fine Sand with Silt	0.0	177	114	4,000	
6			_	344-3141	10YR5/4		Well Graded Time Sand With Site	0.0	4	16	4,400	
7	5	3		CL	10YR3/1		Sandy Clay	0.0	<1.8	24	3,800	
9					10YR2/1	Wet		0.0	<7	30	4,620	
11	- 2	2		SW	10YR5/8		Well Graded Fine Sand with Gravel	0.0	<1.8	2.7	4,410	
12												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-G-020		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - Po	GM7600			110-009576			
HEALTH TECHN		MS		XRF:	Innov-X Systems				500301			
WEATHER:	· · ·	Partly Cloudy 21 °		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho	d:	Direct Push			Borehole Diame	ter:	2 inch					
Sampling Meth	hod:	Closed Piston			Borehole Depth:		12 feet					
Start Time:	(	9:30			Commpletion Ti	me:	10:40					
Start Date:		2/6/2014			Completion Date	e:	2/6/2014					
MARRSIM Wal	kover Survey (10'	X10')		_			Monitoring Action levels	RAD (2X Bad	ckground)		As	Pb
Range	3,680	)-5,250 cpm	Point	5,18	0 cpm	·	violitioning /tetion levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)	<u> </u>		Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	T HOLO LOG
1 2	5	2.5			10YR4/2	Moist	Concrete, Well Graded Fine-Medium Sand with Gravel	0.0	8	9	3,810	
4				SW	10YR5/4			0.0	<2	17	4,375	
6					10YR4/2		Brick, Well Graded Fine-Coarse Sand with Gravel	0.0	13	77	4,070	
8	5	3		CL	10YR2/2	Wet	Sandy Clay	0.0	3.9	15.6	3,980	
9					10YR3/2	wet		0.0	<5	13	3,865	
10				ML			Silt with Gravel					
11	- 2	2		CL	10YR3/1		Clay	0.0	16	35	4,110	
12												

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMRER:	LT-G-023		Instrument		301	Model Number				Cari	al Number
GEOLOGIST:	IVIDLII.	AR		PID:	RAE Systems - P	GM7600	WIOUCI WUITIDEI		110-009576		36116	ar realiber
HEALTH TECHI	VIICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:	VICIAIV.	Partly Cloudy 21 °		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	·d·	Direct Push		JOCALLIN.	Borehole Diame		2 inch		<u>  100700                                </u>	133303		
Sampling Meth		Closed Piston			Borehole Depth:		10 feet					
Start Time:	nou.	11:25			Commpletion Ti		12:00					
Start Date:		2/6/2014			Completion Date		2/6/2014					
	lkover Survey (1				Completion Date			RAD (2X Ba	ckground)		As	Pb
Range		80-5,250 cpm	Point	5 18	30 cpm	-	Monitoring Action levels	14,648			24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)	Grapine Log	USCS Code	Color	Content	3011 Description	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
0 1 2 3 4	5	4			10YR4/4 10YR4/2	Moist	Well Graded Medium Sand with Gravel	0.0	<2 4.1 <1.6	40 11 20	3,950 4,170 4,580	
7 8	5	5			10YR2/1	Wet	Condu Clau	0.0	14	136	4,210	
9		5 5		CL			Sandy Clay	0.0	16	8	4,190	

							SO	IL BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-G-026			Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR			PID:	RAE Systems - PO	GM7600			110-009576			
HEALTH TECHN	IICIAN:	MS			XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Mist 37°			SCALER:	Ludlum 12 / 44-9	9			186760 / PR:	153303		
Drilling Metho	d:	Air Hammer				Borehole Diamet	ter:	2 inch					
Sampling Meth	nod:	Closed Piston				Borehole Depth:		10 feet					
Start Time:		8:10				Commpletion Tir	me:	9:15					
Start Date:		2/21/2014				Completion Date	e:	2/21/2014					
	kover Survey (1	0'X10')						Manitaring Action lavels	RAD (2X Bad	kground)		As	Pb
lange			Point					Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic	Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)				Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
0						10YR3/1							
1						10YR5/1		Asphalt, Wood, Silty Sand	0.0	22	67		
2	5	4.5			SM	10YR3/1							
3						10YR5/2	Moist		0.0	<54	<58		
4						1011.0, 2		Silty Sand with Gravel		,	.50		
5					SW-SM	10YR5/4		Well Graded Fine Sand with Silt and	0.0	<56	<b>&lt;</b> 55		
6								Gravel					
7		5 4.5			SW			Well Graded Medium Sand with	0.5	<8	10		
8	5				JVV	10YR4/4	Wet	Gravel	0.5	<b>\</b> 0	10		
9					SM	10184/4	vvet	Silty Sand with Gravel	0.0	<16	<17		
10					SW-SM			Well Graded Medium Sand with Silt and Gravel	0.0	<b>\10</b>	\1/		

						SO	IL BORING LOG SHEET					
BOREHOLE NU	MBER:	LT-G-027		Instrument			Model Number				Seria	al Number
GEOLOGIST:		AR		PID:	RAE Systems - PG	6M7600			110-009576			
HEALTH TECHN	IICIAN:	MS		XRF:	Innov-X Systems	Inc DS-4000			500301			
WEATHER:		Mist 37°		SCALER:	Ludlum 12 / 44-9	)			186760 / PR	153303		
Drilling Metho	d:	Air Hammer			Borehole Diamet	er:	2 inch					
Sampling Meth		Closed Piston			Borehole Depth:		10 feet					
Start Time:		9:30			Commpletion Tir	ne:	10:45					
tart Date:		2/21/2014			Completion Date	::	2/21/2014					
	kover Survey (1	0'X10')					Monitoring Action levels	RAD (2X Bac	kground)		As	Pb
lange			Point				Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	1 11010 208
1				SW	10YR3/1	Wet	Well Graded Medium Sand with Gravel	0.0	18	65	4,370	
2	5	3.5			10YR4/3	Moist						
3	3	3.3		SM	10YR4/1	WOIST	Silty Sand with Craval	0.0	17	22	2.000	
4				Sivi	10YR5/1		Silty Sand with Gravel	0.0	17	23	3,980	
5				SW-SM	10YR2/1		Well Graded Medium Sand with Silt and Gravel	0.0	<16	55	4,320	
6								5.5			.,,520	
7				SM		Wet	Asphalt, Wood, Silty Sand with Gravel	0.5	<31	51	6,340	
8	5	2.5			10YR5/1			0.5		J1	0,340	
9				\$\A\2\A\2			Well Graded Medium Sand with Silt	0.0	20	<16	7,180	
10				SW-SM			and Gravel	0.0	20	\10	7,100	

						SOL	L BORING LOG SHEET					
BOREHOLE NU	IMRER:	LT-R-001		Instrument		301	Model Number		<u> </u>		Sori	al Number
GEOLOGIST:	JIVIDLIK.	AR		PID:	RAE Systems - Po	3M7600	Woder Number		110-009576		<u> </u>	arivumber
HEALTH TECH	NICIAN:	MS		XRF:	Innov-X Systems				500301			
WEATHER:	INICIAIN.	Cloudy 27°		SCALER:	Ludlum 12 / 44-9				186760 / PR	153303		
Drilling Metho	od:	Direct Push		JOCKEEN.	Borehole Diame		2 inch		11007007110	133303		
Sampling Met		Closed Piston			Borehole Depth:		10 feet					
Start Time:	ilou.	7:45			Commpletion Ti		8:50					
Start Time:		1/31/2014			Completion Date		1/31/2014					
	lkover Survey (1				Teompletion but	<u></u>	1/31/2017	RAD (2X Ba	ckground)		As	Pb
Range		20-4,680 cpm	Point	4 56	9 cpm	ſ	Monitoring Action levels	14,648			24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	
(ft)	(ft)	(ft)	Grapine Log	03C3 Code	Color	Content	3011 Description	(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
0 1 2 3 4 5 5	- 5 (Hand Auger)			SW-SM	10YR4/6	Dry	Well Graded Medium Sand with Silt and Gravel, Trace Cobbles  Well Graded Medium Sand with Silt and Gravel  Silty Sand with Gravel	0.0	- 4	23	4,450 4,530 4,588 4,410	
7 8	5	4.5		SW-SM	10YR3/1		Well Graded Medium Sand with Silt and Gravel	0.0	1.7	8.5	4,150	
9	-	4.5		CL	10YR4/1	Wet	Clay	0.0			4,230	

						SOI	L BORING LOG SHEET					
BOREHOLE NU	IMRER:	LT-R-002		Instrument		301	Model Number				Seri:	al Number
GEOLOGIST:	JIVIDEIX.	AR		PID:	RAE Systems - Po	GM7600	Woderwamber		110-009576		30110	a Number
HEALTH TECH	ΝΙCΙΔΝ·	MS		XRF:	Innov-X Systems				500301			
WEATHER:		Cloudy 27°		SCALER:	Ludlum 12 / 44-9				186760 / PR:	153303		
Drilling Metho		Direct Push		JOG/ IZZIII	Borehole Diame		2 inch		1207007110	100000		
Sampling Met		Closed Piston			Borehole Depth:		10 feet					
Start Time:	nou.	10:50			Commpletion Ti		11:30					
Start Date:		1/31/2014			Completion Date		1/31/2014					
	lkover Survey (10				Tomproducti Date			RAD (2X Ba	ckground)		As	Pb
Range		30-4,510 cpm	Point	3.93	3 cpm	· [	Monitoring Action levels	14,648	cpm		24 ppm	400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	•
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	Photo Log
0					10YR4/3			0.0			4,350 4,410	
3	-5 (Hand Auger)	er) 5		SW-SM	10YR3/2	Dry	Well Graded Medium Sand with Silt and Gravel		97	6	4,570 4,670	
4								0.0			4,780	
5						Moist		0.0			4,420	是为的特殊
6				SM	10YR4/6		Silty Sand with Gravel	0.0	_		,,120	
7					_			0.0			4,510	
8	5	5		SW-SM		Wet	Well Graded Fine Sand with Silt and		90	148		
9					- 10YR6/6		Gravel	0.0			4,570	
10				SM	, 		Silty Sand with Gravel				, 	

		Г		1	1	SOI	L BORING LOG SHEET		T			
BOREHOLE NUMBER:		LT-R-003		Instrument	Model Number			Serial Number				
GEOLOGIST:		AR		PID:	RAE Systems - PGM7600 110-009576							
HEALTH TECHNICIAN:				XRF:	Innov-X Systems Inc DS-4000 500301							
WEATHER: C		Cloudy 27° SCA		SCALER:	Ludlum 12 / 44-9	9	186760 / PR153303					
Drilling Method:		Direct Push			Borehole Diame	ter:	2 inch					
Sampling Method:		Closed Piston			Borehole Depth	:	10 feet					
Start Time:		13:50			Commpletion Ti	me:	14:20					
Start Date: 1/31/2014					Completion Date:		1/31/2014					
MARRSIM Walkover Survey (10'X10')					Monitoring Action levels		RAD (2X Background)		As		Pb	
Range	4,98	4,980-5,670 cpm Point		5,267 cpm		3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		14,648 cpm		24 ppm		400 ppm
Depth	Advance	Recovery	Graphic Log	USCS Code	Soil	Moisture	Soil Description	PID Reading	As	Pb	RAD	Photo Log
(ft)	(ft)	(ft)			Color	Content		(ppm)	(ppm)	(ppm)	(cpm)	
1 2	5	5		SW	10YR4/4	Dry	Well Graded Fine Sand with Gravel, Brick at 3'	0.0	- 18	18 41	4,790	
3 4 5					10YR4/3			0.0			4,910	
6				SM			Silty Sand with Gravel	0.0		54	5,010	
8	5	4		SW-SM	10YR5/6	Wet	Well Graded Medium Sand with Silt and Gravel	0.0	60		4,880	
10								0.0			4,870	